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B. R. BUCKINGHAM, Editor

June, 1922

The Iowa spelling scales:
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The Iowa Spelling Scales Their Derivation, Uses, and Limitations

ERNEST J. ASHBAUGH
Professor of School Administration
and
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OHIO STATE UNIVERSITY

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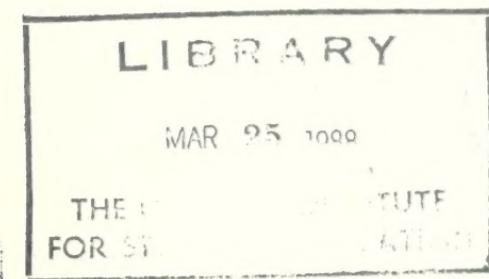
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This study was undertaken as a direct service to the schools of the State of Iowa through the suggestion of Professor Ernest Horn, to whom I owe the greatest debt of gratitude for continuous encouragement and helpful criticism.

I wish to thank the superintendents, teachers and pupils who gave so freely of their time and effort in securing the spellings and also the Dean of the Graduate College and the Director of the Extension Division who financed from their budgets the collection and scoring of the data.

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E. J. A.

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INTRODUCTION

The Iowa Spelling Scales have been extensively used. The relatively large number of words included in them and their freedom from excessive statistical manipulation have rightly commended them to practical workers. They have, however, been out of print for some time. Moreover, even those who are fortunate enough to possess the scales in their original form no doubt realize that they are capable of a more useful presentation.

Accordingly this monograph is offered for those who desire a complete representation of the scale in permanent form. The percents of correct spellings in each grade are given for each of the nearly 3,000 words of the scale. Nowhere else has such a detailed showing of the difficulty of the spelling of words been made.

An account is also given of the derivation of the scale; and this is no inconsiderable contribution. The reader will no doubt be impressed by the author's scientific attitude and by his unwillingness to compromise with his ideals of accuracy through adopting all-too-prevalent devices for smoothing out difficulties and then pretending that such difficulties do not exist.

We are glad to observe the position which Doctor Ashbaugh takes on the question of the degree of difficulty of the words which constitute the best testing material. In substance he says that the nearer they are to 50 percent accuracy for the grade in question the better. There has been a strong tendency among users of spelling tests to select words which were much too easy. This tendency has been fostered partly by the fact that the Ayres Scale lists for each grade only the words spelled by 50 percent or more of the children, and partly by the naive desire to see larger figures. Somehow one thinks more highly of a class average of 87 than of one of 46, although the latter may indicate a better performance.

The publication of the Iowa Spelling Scales in this form will place at the disposal of school people a far larger number of evaluated words than have hitherto been generally available. This richness of material will greatly enhance the usefulness of the scale. Duplicate lists can easily be made, and a prolonged program of testing can be carried on without the necessity of making allowance for practice effects. Moreover, the fact that the words of the scale are selected on the basis of frequency of use in correspondence renders the material particularly appropriate for teaching and drill purposes. In fact as a spelling book this monograph has high value. The appropriateness of the words is assured because of their frequent use in correspondence—that is, in the only situation where spelling ability is sure to be required—while the known difficulty of the words permits intelligent grading and distinctions in teaching emphasis.

B. R. BUCKINGHAM, *Editor.*

SECTION I

INTRODUCTION

FIELDS OF EXPERIMENTAL PEDAGOGY

The last two decades have witnessed a large amount of work in the field of experimental pedagogy. This has principally followed three general lines, namely, (1) the selection of subject matter, (2) the determination of efficient methods of teaching or learning, and (3) the formulation of more or less objective measures for checking the results.

The Committee on Economy of Time of the National Education Association through its three reports (1) has done a large amount of work in the selection of subject matter. These reports have challenged the attention of superintendents and the recommendations have been written into numerous courses of study. State Teachers' Associations have taken up the work; their committees have attacked the problem and in many cases have added something to this re-direction of education.

The determination of efficient methods of teaching and learning has appealed to psychologists and teachers. In laboratories and experimental schools much time and effort has been spent in gathering bit by bit the evidence for the different subjects. The experimental evidence in reading, writing, spelling, arithmetic, drawing, and music, and such conclusions as are warranted thereby, have been collected from the various schools and are presented by another committee in the Eighteenth Yearbook, (2). Further consideration will not be given to this field since it is not pertinent to the research in this monograph.

The effort in the third line has brought forth the large number of scales and tests now available. The measurement of progress requires an accurate means of measuring initial status. The comparison of one class with another, or of one school system with another, especially when the testing must be done by different persons, also requires a measuring instrument little influenced by different personalities. One of the goals of the makers of standardized tests and scales has been to obtain an objective measuring instrument as little disturbed as possible by the individual using it.

Perhaps in no subject has there been more experimental work done than in spelling. The subject lends itself to careful study in the fields already designated. The investigations which we wish to review briefly as an introduction to the present study have dealt with two problems: (1) the determination of the vocab-

ulary which should be included in children's spelling, and (2) the derivation of objective scales for the measurement of spelling ability.

STUDIES IN THE DETERMINATION OF VOCABULARY

An examination of the tabulation¹ shown in Table I will reveal the fact that the sources investigated for the selection of spelling vocabularies fall into four general groups; (1) occurrence in reading vocabulary, (2) occurrence in school lessons or classroom work, (3) occurrence in children's compositions, and (4) occurrence in correspondence, usually that of adults.

The first attempt to compare carefully the spelling work of different school systems seems to have been reported by Rice (**14**) in 1897. In 1895 he sent out a list of fifty words to superintend-

TABLE I. CONSPECTUS OF VOCABULARY STUDIES.

AUTHOR	DATE	SOURCE OF MATERIAL
Knowles, Rev. J. (3)	1904	Passages from the Bible and various authors
Eldridge, R. C. (4)	1911	Articles of Sunday Newspapers
Ayres, L. P. (5)	1913	Personal and Business Letters
Jones, W. F. (6)	1913	Children's Composition
Cook, W. A. and O'Shea, M. V. (7)	1914	Family Correspondence
Nicholson, Anne (8) (Editor)	1914	Selected by teachers and supervisors from daily lessons
New Orleans Public School List (9)	1916	Children's School Work
Kansas City Public School List (10)	1916	Selected from pupil's misspelled words and teachers' judgment of words pupils should know how to spell
Houser, J. D. (11)	1916	Letters of farmers
Anderson, W. N. (12)	1917	Written correspondence of Iowa People
Horn, E. (13)	1918	Correspondence of Bankers to Bankers

ents in various sections of the United States. Twenty responded sending in the work of more than 16,000 children. The results of the test showed enormous variations, but a two months' tour spent in visiting the various schools convinced him that much of this variation was due to the peculiar manner in which the examinations had been conducted. Also careful pronunciation of several of the words would have given a clue to the spelling.

¹ This tabulation presents only the more important studies from the different sources. For a more complete list see Anderson, W. N. "The determination of a spelling vocabulary based upon written correspondence." (Dissertation, University of Iowa, 1917.)

For these reasons the results of the test were considered unsatisfactory.

A second test involving fifty words in grades four and five, and seventy-five words in grades six, seven, and eight in sentence-dictation form, was given to 13,000 children in eight school systems. In these cases the tests were given under his personal direction and checked by his assistants.

Dr. Rice made no statement in his report regarding the manner of selecting his words except that in the second test "special care was exercised to omit words whose pronunciation would tell the secret" (15) of the correct spelling.

Too much credit can scarcely be given Rice for his pioneer efforts. He initiated the whole measurement movement. Two criticisms, however, may be directed against his work: (1) the words were not selected on the basis of those which children need to learn to spell; and (2) the words were of greatly varying difficulty but were given equal value in scoring. The best evidence in support of the first point is, that of the 77 words used in the second test, 15 do not occur among the 4,000 words of highest frequency in the combined results of the nine most extensive studies of correspondence.² These words are: almanac, ascending, changeable, conscientious, deceive, elegant, fatiguing, hopping, laughter, listened, praise, sensible, slipped, sweeping, whistling. Of these, six do not appear in any form, even the most simple.

Rice recognized that the material for spelling instruction should be selected in such a way as to eliminate unusual words. This is shown by two quotations: "The absurdities incident to the so-called 'natural method' were shown very clearly during one of my visits to a fifth-year class, when the pupils, who had studied the pine, were about to write a composition on the subject. In preparation, the spelling lesson of the day consisted of the following words: exogen, erect, cylindrical, coniferal, irregular, indestructible, pins, resinous, and whorls." (16) His fourth recommendation concerning the course in spelling reads thus: "Precedence should be given to common words, while technical and unusual words should be taught incidentally." (17) However, he gave us no clue as to how the "common words" should be detected.

That Rice's words were of greatly varying difficulty was pointed out by Thorndike (18) who gives the relative frequency of mistakes within the same group of children for each of the forty-nine words taken by Dr. Rice to be equal measures of spell-

² The results of this compilation have not been published. Access to the data was secured through the kindness of Dr. Horn.

ing ability. These forty-nine range from a frequency of forty-two errors to zero. Unfortunately, the table does not give the total number of children attempting the test, so it cannot be placed on a percentage basis.

The reader's attention is called to Table II. This table gives the frequency of error of fifth-grade children on five of Dr. Rice's words as found by Thorndike and the percent of error of fifth-grade children on the same words as shown by the Ayres scale and the present study.

TABLE II. DIFFERENCE IN DIFFICULTY OF FIVE WORDS REGARDED BY DR. RICE AS OF EQUAL DIFFICULTY.

Word	Frequency of Error Grade V—Thorndike	Percentage of Error Grade V—Ayres	Percentage of Error Grade V—Ashbaugh
necessary	42	58	77
disappoint	37	79	64
learn	3	12	14
because	1	6	6
picture	0	8	5

STUDIES IN DERIVATION OF SCALES

The studies intended to evaluate the words to be used in measuring spelling ability have been but two in number previous to this monograph.

Buckingham. (19) In 1913, Buckingham presented the educational world with the first spelling scale. He did preliminary testing with a list of 270 words selected from a much larger list of graded words used by the author in his own school. These had been selected by taking from five of the popular spelling books then in use, a vocabulary of 5,000 words agreed upon by two or more of the books, and then following two principles: (1) "that all of them should be sufficiently common to be in the speaking vocabulary of third-grade children," and (2) "that the spelling difficulty of many of them should be great enough to test the ability of eighth-grade children." (20)

These words were placed in sentences and dictated to grades three to eight. On the basis of the results, a group of 100 words were chosen which in general showed the following characteristics: (1) That the word was not so difficult that it offered no test of third-grade ability. (2) That it showed a steady increase through the following grades but did not reach so high a figure in the highest grades as to prevent its being a test of ability there.

These words were placed in sentences and their difficulty determined by additional testing. By this process he finally arrived at a first and a second preferred list of 25 words each. In order

to get a measure of zero ability, an easy list of fifty words was devised. These words were then evaluated with a high degree of precision and were presented for testing purposes in the form of ten-, twenty-five-, and fifty-word scales.

The small number of words limits the usefulness of the scale since the entire list can be quickly learned to 100 percent median accuracy by a class of ordinary ability in the upper grades. The study is of great interest to advanced students of education because of the great refinement of method. It is doubtful, however, if the high degree of refinement adds anything to the value of the scale for practical use by teachers, principals, and superintendents in the field.

Ayres. (21) Probably the most advanced step in spelling measurement was taken by Ayres in 1915 in presenting his Measuring Scale for Ability in Spelling. The 1,000 words in this scale were secured by combining "the results of the several studies so as to secure the most reliable list as a foundation for the work." (22) The placing of the "one thousand commonest words" in the measuring scale assumes that children should be taught and be able to spell these "commonest words" even though they are unable to spell other words. With this assumption we agree.

Two criticisms will be offered concerning the selection of the words:

1. The list is a hybrid since it is made up by combining correspondence frequencies with newspaper and literary frequencies. A comparison of these 1,000 words with the most extensive studies of correspondence reveals 33 words which never occur in these correspondence lists, and 71 others which do not occur in the 3,000 words of greatest frequency. Such words as: arrest, convict, capture, estate, jail, mayor, police, testimony, victim, and witness, occur frequently in newspapers but only a few people ever have any occasion to write them. Why then should they be admitted to our minimal spelling lists?

2. In the selection of these words, root forms and derivatives were counted as one form unless they presented "different spelling difficulties." "Plurals and verb forms presenting no characteristic spelling difficulties beyond those inherent in the singular or infinitive have not been included. (23) Researches by the writer (24) have convinced him that almost without exception derived forms are spelled with less accuracy than root forms, however simple the change involved, and that one cannot select by inspection the forms having slight variation from those having wide variation.

A further criticism must be made on the regularity of the advancement of words in the scale. If all words were learned at the

same rate, this regularity might exist. Buckingham found that most of the words which he tried out did not progress regularly and that frequently there was a reversal instead of advance in accuracy from one grade to another.

He says, "In order that this list should be of greatest value it should be so constituted that the increases in percents correct so keep pace with the increase from grade to grade of general spelling ability that a word tends in all grades to maintain the same difficulty relative to all other words in the list to which it belongs. A word which is twentieth in point of difficulty for the third grade ought to deviate as little as possible from the same rank in the other grades. The experience gained in making this investigation leads us to think that most words do not meet this condition, even approximately. The span between the third and the eighth grades is very wide. Accordingly, a very large class of words is impossible for the earlier yet easy for the later grades. Still others are really difficult in the lower grades, but of almost no difficulty in the upper grades." (25)

The following illustration from Buckingham's Preferred Lists show that although he purposely rejected the most irregular words, irregularities still existed.

TABLE III. PERCENT OF ACCURACY WITH WHICH CHILDREN OF
SUCCESSION GRADES SPELLED EACH OF THE GIVEN WORDS.³

Word	Third	Fourth	Fifth	Sixth	Seventh	Eighth
saucer	11	29	42	58	79	81
raise	21	54	67	84	93	94
already	16	42	43	62	44	77
grease	11	18	37	35	42	57

This table is read as follows: The word "saucer" was spelled by third-grade children with an average accuracy of 11 percent; by fourth-grade children with 29 percent; by fifth-grade children with 42 percent, etc. The percents for the other words in the different grades are read in the same manner.

The first two words show rather consistent increases up to the seventh grade and practically no increase from seventh to eighth. The other two show actual instances of lower accuracy of spelling in one grade than in the previous grade.

The present study shows numerous illustrations of the same phenomenon. Since no word was rejected, lapses appeared, as might have been anticipated from the fact that they occurred in Buckingham's highly selected list. Further, these lapses occur

³ These words with their accuracies were selected from Buckingham, B. R. *Spelling Ability—Its Measurement and Distribution*. Table III, page 14.

much more frequently in cases of high accuracy (i. e., very easy words) than in those of medium or low.

Because of these findings, a serious question must be raised concerning the amount of smoothing which Ayres must have done to get the perfect regularity from grade to grade which he has upon his scale.

In order to present the situation as it was actually found, it was decided to provide in the present study a separate scale for each of the grades and to include in each scale the whole number of words. Ayres arbitrarily rejected from consideration all words for each grade whose accuracy fell below the middle step. In the present study, no smoothing has been done to show regularity of progress from grade to grade and no words have been rejected from any grade scale regardless of the low percent of accuracy involved.

In the field of measurement, the Ayres scale has had a much wider influence than that by Buckingham. More than eighty-five thousand copies have been distributed in less than four years. Many spelling tests, such as those by Courtis (26), Monroe (27), Fordyee (28), and the writer (29) have been based directly upon it, and probably hundreds of superintendents have adopted it outright as a minimal list for their schools.

SECTION II

THE PROBLEM

Extension work by the writer among the school people of Iowa has brought the following facts clearly to his attention:

1. School people are eager to use the results of scientific research in their school rooms.
2. They have used and appreciated the Ayres Spelling Scale but rightly think that there should be a larger list.
3. For this larger list to be of most worth, the words must be evaluated in some manner.

It was therefore believed that a distinct service would be rendered the schools of the state if a much larger list, scientifically selected, should be evaluated and made available.

At the time the work was begun, the most extensive study of correspondence vocabulary was that of W. N. Anderson. Through the tabulation of 3723 letters of Iowa people, 361,184 running words revealed 3105 different words having such a frequency as to justify, in his judgment, their being taught in school. The Anderson list was an Iowa correspondence list, scientifically selected and containing sufficient words for a much larger list than had ever before been evaluated. Thus the problem became definite—*the making of an Iowa Spelling Scale.*

SECTION III

METHOD OF GATHERING THE DATA

SELECTION AND ARRANGEMENT OF WORDS

For administrative convenience, only 3,000 words were taken from Anderson's list. The words were listed in order of decreasing frequency and the first 3,000 were arbitrarily chosen. These 3,000 were divided into three sets of 1,000 words each, dividing the frequency as equally as possible. For example, the words *and*, *the* and *to* being in order the words of greatest frequency in Anderson's tabulation, became the first word respectively of each of the three sets. The 4th, 5th and 6th words in order of highest frequency became respectively the second words of each set, and so on. Each set of 1,000 was then divided into ten lists of 100 words each.⁴ In each set, the 1st, 11th, 21st, etc. words became list 1; the 2nd, 12th, 22nd, etc. became list 2; etc. Thus each list included words ranging from very high to lowest frequency of occurrence in Anderson's study. These lists were printed 100 words on a sheet, and the ten lists of a set clipped together.

CO-OPERATION OF THE SCHOOLS OF THE STATE

An invitation to co-operate in a state-wide survey of spelling was sent to the superintendents of schools in all cities and towns of the state, having a population of 1,000 or more. A few smaller places were also invited to participate. More than 150 superintendents promised the co-operation of their teachers in this work. Enough sets of words were sent to each of these superintendents to supply his teachers and printed instructions accompanied each set. A copy of these instructions and list 1 of the set will be found on pages 142 and 143.

These instructions requested ten days work from each class. The children in Grades II-IV were to spell 500 words at the rate of 50 per day and those in Grades V-VIII were to spell 1,000 words at the rate of 100 per day. All spellings were to be made without preliminary study or any teacher help. Children in all grades were thus asked to spell all the different words, although it was surmised that many of them would not be spelled by lower grade children. Preliminary experiments, however, had definitely shown that one could not predict with a high degree of accuracy what words the pupils in any particular grade would misspell.⁵

⁴ The reason for the division of the 3,000 words into sets of 1,000 and lists of 100 will be understood from the instructions to teachers. See page 143.

⁵ A very simple experiment in this line was made by the writer with his University class composed of school superintendents and teachers. List 1 of the present study (see page 142) was given to each member of the class with

It was therefore deemed necessary to ask a large number of pupils in each grade (II-VIII inclusive) to attempt to spell each word.

After the 3,000 words were printed and sent out, it was discovered that there were twenty-three words duplicated. Seventeen of these were duplicated in Anderson's original list, while there were six other duplicates due to typographical errors. Thus the list of 3,000 was reduced to 2,977, the number which appears in the completed scales.

The response of the superintendents, teachers and pupils was most gratifying. More than 100 school systems were able to do the work and send in the results. A list of these cities and towns is given on page 144. A conservative estimate indicates that nearly 1,400 teachers and 45,000 children participated in the work.

SECTION IV

METHOD OF HANDLING THE DATA

This very generous response brought in several times as much material as could be used. Hence, a random selection of papers on each list was made from all schools returning data in any grade. This means that on the average, about thirty-five cities and towns are represented by pupils in the determination of the position of each word in each scale. At least 200 spellings were used for each word and the total number of spellings used on the 2977 words in the seven grades was 4,662,200.

All data used were scored or re-checked by the writer or by assistants carefully instructed by him. As has been found by everyone investigating spelling, a number of arbitrary decisions had to be made. Words omitted; words illegibly written; words

the request that he should mark each word as follows: H if in his judgment the pupils of fifth grade would spell the word with an accuracy of from 67 percent to 100 percent; M if they would spell with an accuracy of 34 percent to 66 percent; and L if they would spell with an accuracy of 33 percent or less. The results showed that in spite of the great latitude allowed, but 45 percent of the judgments were correct as compared with the results in this paragraph; 31 percent of the judgments were one unit wrong and 14 percent were two units wrong. Two units wrong means that words which pupils spelled with an accuracy of 67 percent or higher were judged as 33 percent or lower and vice versa. Even when the nineteen words whose spelling accuracies by the pupils fell within 5 percent of the dividing points, 33.34 and 66.67, were not considered, only 48 percent of the judgments were correct; 40 percent were wrong one unit and 12 percent were wrong two units. In other words, when experienced school men and women attempted to judge the accuracy with which children would spell a set of words, they were more than 10 percent wrong with more than half the cases and more than 33 percent wrong in 12 to 14 percent of the cases.

substituted due to misunderstanding the pronunciation; wrong form of homonyms; changes in number and tense except when the change involved an addition to, but no change in, the form given were all counted wrong. But one form of spelling for a word was considered right except the few words for which Webster's New International Dictionary lists two spellings as equally correct.

SECTION V

ASSUMED DISTRIBUTION OF ABILITY

It was stated in Section II that part of the problem was the evaluation of the words which had been scientifically selected. When the percent of accuracy of spelling has been determined, one form of evaluation has been made, but this is not entirely satisfactory, as will be shown later.

NORMAL PROBABILITY CURVE ASSUMED

Figure 1 presents a typical normal probability or normal frequency curve. The curve has the mass of its area in the central part and but a small part near the ends.

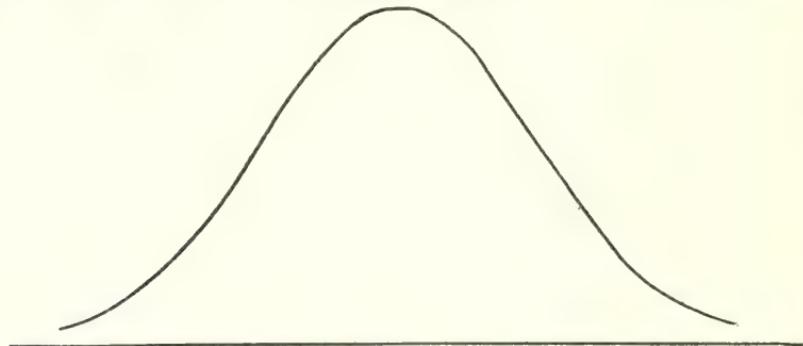


FIGURE 1

This form of distribution has been found to hold true in such human traits as height, weight, length of arms, etc. The great majority of adult men cluster closely around the mean height or weight of all adult men while a decreasing number divide about equally in varying above and below this mean. Only a few vary widely, but those who do are about equally divided as to the direction of their variation.

Does this normal frequency distribution hold true in mental as well as physical traits?

It is a well recognized fact that people with mediocre ability are much more numerous than the dull or the brilliant, and that the very dull and very brilliant are few indeed. Hence, common observation would suggest that general mental ability is distributed in the same manner as physical traits. Does this hold true, also, of the distribution of special abilities such as spelling, arithmetic, language, etc?

The various scales for measuring special abilities such as the Buckingham and Ayres Spelling, Woody's Arithmetic (30), Green's Organization (31), and Trabue's Language (32), have been developed upon the assumption that special abilities are so distributed. The best proof perhaps that the assumption is valid, is that if the assumption is made the results that follow are in very close agreement with the known facts. For these reasons, it was decided to make the same assumption in the present study.

SOME PROPERTIES OF THE CURVE

The mathematical properties of the normal probability curve have been very carefully and elaborately worked out on two bases, namely, the Probable Error (P. E.) or mean deviation, and the Sigma (σ) or standard deviation.

The Probable Error, as a function of the normal probability curve, is that perpendicular distance from the mean at which, if an ordinate is erected, the surface included between this ordinate, the curve, the mean ordinate, and the base line includes 25 percent of the surface included by the whole curve and the base line.⁶ In

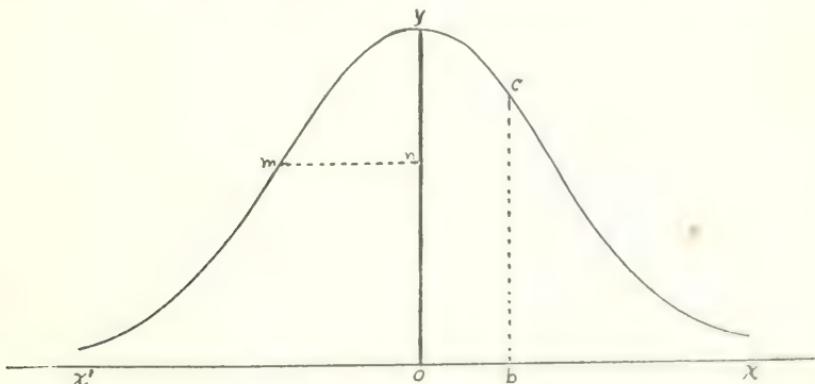


FIGURE 2

⁶ In theory the curve and base never meet, the lines being asymptotic, but for practical purposes they are considered as meeting at some given distance from the mean. It is in this sense that we may speak of the surface included between the curve and the base.

Figure 2, *ob* is 1 P. E. distance and *beyo* includes 25 percent of the surface $x \ y \ x'$.

Likewise, Sigma or the standard deviation, as a function of the normal probability curve, is the perpendicular distance to the mean ordinate from the point on the curve where it changes from concave to convex; *mn* in Figure 2 represents this distance.

Both Probable Error and Sigma, being functions of the normal probability curve, bear constant relationship to the curve regardless of the variability of base and altitude. Through easily accessible tables, the amount of area included by the curve, mean, base, and an ordinate erected at any given Probable Error or Sigma distance, can be found.⁷

Buckingham, in the development of his spelling scale, used Probable Error and arbitrarily broke off the curve (which theoretically forever approaches the base but never meets it) at ± 4.6 P. E. This disregards but about one-tenth of one percent of the total surface on either side of the mean.

Ayres, in making his scale, used Sigma and arbitrarily broke the extremities at $\pm 2.5 \sigma$ which disregards about six-tenths of one percent at each end.

After considerable experimentation, the writer decided to follow Ayres and use the $\pm 2.5 \sigma$ curve for the following reasons:

1. In practical schoolroom work it is doubtful if it is worth while to differentiate spelling differences of less than one percent. To extend the curve beyond $\pm 2.5 \sigma$ which is approximately the same as ± 3.75 P. E., necessitates this finer differentiation.

2. Since 893 words⁸ are common to the Ayres Scale and this study, the use of the same form of distribution would permit comparisons not possible otherwise.

PLACING WORDS IN THE SCALE

Having assumed the normal probability curve, and having decided upon the measure of variability to use and the limits at which the curve should be arbitrarily broken off, the next problem was to decide on the number of steps into which to divide the base. The spelling accuracies varied in most grades from at or near zero on some words to at or near 100 percent on others. That is, there were some words which children of any grade spelled with perfect or nearly perfect accuracy while there were other words which were missed by all or nearly all the children.

⁷ For further discussion of the theory of the normal probability curve, the reader is referred to: Rugg, H. O., *Statistical Method Applied to Education*, Ch. VII.

⁸ There are 893 words which appear in both studies which are identical in form while there are 25 others which differ in suffix only. Of these, 10 differ in the suffix "e-d" and 5 in the suffix "s."

In theory the number of steps or divisions into which the base may be divided is infinite, but practical considerations limit the number to but a few. Since our assumption of normal distribution predicates that the number of very good and very poor spellers are few, it is necessary to make finer discriminations between those percentages lying near the extremes of the scale than between those lying near the middle. The larger the number of steps or divisions into which the base is divided, the finer the distinctions drawn all along the scale, but especially is this true near the extremes. As has been stated, however, a finer discrimination than whole percentages can hardly be justified in an instrument designed for practical schoolroom measurement. On the other hand, but few divisions would tend to cover up differences which should be revealed.

Again, after much experimentation it was decided that the division of the base line into twenty-five equal steps, as Ayres did, gave the best results since it permits single whole percentage discrimination of differences near the extremes and does not group together too large percentage differences in the middle.

If there were an equal number of each grade of ability, excellent, good, fair, poor, and very poor; that is, if the frequency surface were a rectangle, then the percentage valuation would be very satisfactory. But we know this is not true and have assumed the distribution to be that of the probability curve instead. Therefore, words which differ by a single percent in the accuracy of spelling do not always represent equal differences in difficulty. Reference to Figure 1 will show quickly that the linear distance between two ordinates so erected as to include between them, the base and the curve, one percent of the whole surface will differ much depending upon whether the ordinates are erected near the median or near the extremes. One of these twenty-five parts into which we have divided the base will underlie approximately nine percent of the surface if located at the median, about four percent if located midway between the median and the extremes and only one percent if located near the extremes. It is this recognition of the type of distribution of ability which makes the percentage evaluation unsatisfactory.

On the basis of the accuracy of the children's spellings, each word was then placed in its proper step or position on the scale. Because it was thought that students of experimental education might care to have the finer distinctions which are not afforded by the step position alone, it was decided to keep the percentage groups within the steps of the scale separate and designate the exact percentage accuracy with which each word was spelled by the children.

If the difficulty of words be defined in terms of differences in position among the steps of the scale, then the words which lie in a single step are of approximately equal difficulty and the words in one step are as much more difficult than those in the previous step as the words in any other step are more difficult than those in the step preceding it. That is, the degree of difficulty between steps is constant throughout the length of the scale.

It will be perceived, of course, that the difficulty of spelling a word is thus defined in terms of the accuracy with which children in a given grade responded to the word under the conditions described in this monograph. It has nothing to do with the inherent difficulties of teaching or learning the word except to the extent that these may be reflected in the accuracy of the spellings of the pupils.

Throughout this monograph, spelling ability is spoken of in terms of efficiency of performance. The only measure of ability which we have for mental traits is in terms of performance. This is common usage and we believe it is perfectly justifiable. We measure ability to read, ability to add, ability to hit a target, ability to lift a weight, etc., in terms of performance. In all these activities, we find by measuring a large number of cases that a few are very good, a few very poor and the majority of all cases occupy an intermediate position. In other words, these various abilities distribute themselves about in the form of the normal probability surface of frequency. It has been the assumption upon which these scales have been built, that spelling ability, ability to do this particular thing under the given conditions, is distributed in this same manner. The scales do not concern themselves with the child's inherent capacity to learn to do, or the difficulties inherent in the words themselves.

SECTION VI

USE OF THE SCALES

These scales lend themselves to at least three uses, namely, (1) measurement of status of spelling ability, (2) measurement of growth in spelling ability, and (3) a minimal spelling list for teaching purposes.

Each word having been placed in the scales on the basis of the accuracy with which children in the respective grade spelled it when presented in ordinary list form, any teacher, principal, or superintendent may use the scale to determine how well his own class or school can spell any group of these words in comparison with the children of Iowa as a whole. In making this comparison, the following things should be remembered.

1. That to secure comparable results, the words should be pronounced in accordance with the original instructions (See page 143) and the words scored according to the criteria stated on page 15.

2. That these spellings were from pupils who had on the average completed approximately one-half of the year's work for the grade. Tests given at the beginning or end of the year's work should be interpreted accordingly.

3. That to secure equally reliable results, a much larger list of words must be used with a small group of pupils than with a large group.

4. That in general, words located near the middle of the scale, those with an accuracy of 35 percent-65 percent, are probably more reliable for measuring purposes than those near the extremes.

Words spelled with 100 percent accuracy furnish no test because all the children have mastered them. Some of them could undoubtedly spell much more difficult words. Likewise, words which are missed by all the children furnish no test since we have no means of knowing how much too difficult they are. Since there are many possibilities of wrong spelling against one possible right form, it is probable that 50 percent represents the maximum point of critical measure of a group. This conforms with the experimental work of Otis. (33)

MEASUREMENT OF STATUS OF ABILITY

In using the scales for measuring class and school status, it should be kept in mind that words of differing percents within a step are of approximately equal difficulty but to equalize even small differences, a random selection of words from all the percentage groups in a step should be made and these words pronounced as an ordinary spelling test without instruction or previous study. If the average of the class is the same as the average for the step or within the limits of the percents listed under one step, the class has a spelling status on these words about the same as the children of like grade in Iowa. If the class average reaches a percent higher than the highest listed under the step, the class is above average; if below the lowest listed under the step, it is below average.

A word of caution is perhaps in place. The teacher in using these scales must remember that the fundamental assumption upon which the scales have been built is that spelling ability distributes itself according to the normal probability surface of frequency. It must not be expected, therefore, that all the children in her class will spell all the words in a given test, even though

the words are chosen from a single step on the scale, with the same percent of accuracy. A wide range of variation is to be expected and a very narrow range would be quite unusual. Further, the words in a step have been placed there as of approximate equality on the basis of a large number of spellings and it is not to be expected that, with a small group such as a class, the accuracy of spelling on each of the words will be equal.

MEASUREMENT OF GROWTH OF ABILITY

In measurement of growth, two objects may be distinguished, (1) the measurement of growth or change due to a term or year of school work, and (2) the measurement of growth or change due to the use of a special method, device, or time variation during a greater or less period.

The first measurement will probably be the one of most significance to teachers and superintendents, and gross differences will be of greatest interest. For this reason, the differences may well be considered mainly in terms of step changes.

The second measurement will be of primary interest to special supervisors and students of experimental education. Since these persons are interested in more refined results, they should consider the individual percentage groups within the step. Whole step differences may frequently be larger than the changes brought about by the conditions involved in the experiment.

A MINIMAL SPELLING LIST

This list presents with a high degree of accuracy the words which people use most frequently in written correspondence. For this reason it is highly important that pupils in the elementary school learn to spell these words. By using the words of the scale as the material for regular class instruction, teachers may note class improvement, but they must recognize that as a scale it is becoming less and less valuable as a measuring instrument. However, the writer agrees completely with Ayres when he says, "Probably the scale will have served its greatest usefulness in any locality when the school children have mastered these words so thoroughly that the scale has become quite useless as a measuring instrument." (34)

SECTION VII

LIMITATIONS OF THE SCALES

The scales presented herewith are subject to certain limitations, some of which will be discussed in this section.

NUMBER OF SPELLINGS USED

In general, with a random selection the reliability of results increases as the square root of the number of cases involved. In the following scales, the number of spellings on each word in each grade was 200 or more. This number was selected as being a sufficient number to give a degree of reliability acceptable in this type of measurement.

However, in order to ascertain the range of variability which might be expected on the basis of 200 spellings in comparison with a larger number, 700 spellings were selected at random on a list of 100 words. The accuracy of spelling on each word was checked out per 100 spellings and three combinations of 200 each were compared with the accuracy of 700. The spelling accuracy of the 100 words in the 700 spellings varied from 100 percent for the three easiest words to 11, 15 and 20 percent respectively on the three most difficult words.

Since the words were to be placed in the scales in terms of steps of equal value as stated previously, it was thought that this examination of reliability of placement should be in terms of steps rather than in terms of percent. The total scale was divided arbitrarily into three-step groups on each side of the middle step. Then the three on each side adjacent to the middle step and this middle step were thrown together since there seemed no valid reason for keeping them separate, the percents in each step being symmetrically placed above and below the middle step. When the 100 words were distributed according to this grouping on the basis of accuracies obtained from the 700 spellings of each word, it was found that there were 12 words in the easiest group, 32 in the next, and so on as shown in column four of Table II.

Next the accuracy for each word on the basis of each of the first, second, and third 200 spellings was taken from its accuracy

TABLE IV. AVERAGE DEVIATION OF SPELLING ACCURACY IN TERMS OF SCALE STEP OF RANDOM SAMPLINGS OF 200 SPELLINGS FROM THE ACCURACIES OF 700 SPELLINGS.

Accuracy in Percents on 700 Spellings	Number of Scale Steps Within These Limits	Average Range in Percent Included in One Step	Number of Words in Group	Average Deviation in Scale Step		
				First 200	Second 200	Third 200
98-100	3	1.00	12	.42	.42	.42
91-97	3	2.33	32	.55	.60	.63
77-90	3	4.67	20	.49	.69	.41
24-76	7	7.57	33	.38	.27	.34
10-23	3	4.67	3	.50	.07	.93

on the basis of the total 700 and the average difference of deviation of all words within the group was determined. This average deviation in terms of percent was then converted into average deviation in terms of scale step by dividing by the average range in percent included in one step.

From these data it is concluded that since the average variation is less than 0.7 of a step in all cases but one, and is 0.5 of a step or less in more than half the cases, 200 spellings is amply sufficient for the degree of accuracy required in placing the words in a scale of this type.

DISTRIBUTION OF SPELLINGS

It may be considered a limitation on the scales that all spellings used were secured from Iowa school children. The answer to this is two-fold: (1) that the scales were designed primarily for service to the school people of the state of Iowa. From this stand-point this limitation becomes a positive recommendation. (2) On the basis of a state-wide study of spelling, involving 8818 children in Grades III to VIII inclusive, on spelling tests devised from the Ayres scale, the school children of Iowa spell with about the same average accuracy as children in the 86 cities involved in the Ayres study. This is shown by Table V.

TABLE V. COMPARATIVE SPELLING RESULTS: AYRES SCALE AND 27 IOWA CITIES. 20 WORDS, LIST SPELLING.

Grades	Third	Fourth	Fifth	Sixth	Seventh	Eighth
Number of Children	1620	1635	1841	1338	1228	1156
Iowa Average Scores	73	85	74	83	77	86
Ayres Standard	73	88	73	84	73	84

The table is read as follows: 1620 third-grade children spelled the 20 words with an average accuracy of 73 percent and the Ayres standard for these words is also 73 percent; 1635 fourth-grade Iowa children spelled the 20 words with an average accuracy of 85 percent while the Ayres standard on these words is 88 percent. The number of children and the average accuracy for Iowa children and the Ayres standard for the other grades are read in the same manner.

WORDS GIVEN IN LIST FORM

It is recognized that the spelling of words in list form does not give an exact measure of the accuracy with which children will spell words in their ordinary daily work. This condition is perhaps more closely approximated by a timed-dictation test. In neither case, however, can we be certain that the ability displayed

is exactly the same as that which will function when the child is writing spontaneously. These scales do present the accuracy with which children did spell these words when presented under the conditions described in the monograph.

WORDS OF VARYING DIFFICULTY PRESENTED IN THE SAME LIST

Making up the list of words on the basis of approximately equal distribution of words of high, median, and low frequency in written correspondence necessarily brought into the same list, words of widely varying difficulty. How far this tends to produce an inaccurate result in the spelling of the common words is not definitely known.

Due to the fact that 23 words were duplicated in the lists sent out, it is possible to make some comparison between the accuracy with which words were spelled when they occurred early in the list, preceded by words which were comparatively easy, and when the same words occurred late in the list, preceded by words of greater difficulty. Thirteen of these 23 words involved this situation of appearing one time rather early in the list and a second time rather late. A comparison of the accuracy with which the children in each of the different grades spelled the word when it occurred early in the list with the accuracy with which it was spelled by children of the same grade when it occurred late in the list, showed two things:

1. That in all grades there was a somewhat higher average accuracy on the words when they occurred early in the list, though some words showed the opposite situation. The median increase in accuracy in the seven grades on words occurring early in the list over the accuracy on the same words when occurring late in the list was but 2 percent. This difference in accuracy was greatest in the third and fourth grades, though a priori judgment had decided that this factor would most affect second grade children and have less influence thereafter from grade to grade.

2. The average difference of spelling accuracy in these two grades which seemed to be most greatly influenced by this factor was practically identical with the range of percents included in a single step in the portion of the scale in which these words appear.

Since these words were placed in the scales in an intermediate position determined by the average accuracy of spelling in the two positions, it is quite certain that no word is misplaced more than a single step. It is probable that half the words are misplaced less than half a step (that is, not at all in the scale) due to this factor.

NO ZERO POINT ON THE SCALE

These scales in common with the Ayres scale, place the words on the basis of relative difficulty rather than absolute difficulty from a point which would indicate no ability at all. Because of this limitation, it is not possible to state that words appearing in any single step are so many "times as" difficult as words appearing in some other step. It is only possible to state that words in any step are as much more difficult than the words in the step preceding as the words in any other step are more difficult than the words in the step preceding that. In other words, the inter-step difficulty is approximately equal throughout the scale.

From the standpoint of practical usage the lack of an absolute zero-point presents no serious objection. In the measurement of progress, school people are interested in making comparison with norms and with previous status rather than in determining "times as" relationships. For this reason, a zero-point was not considered of sufficient importance to justify the large amount of additional work which would have been necessary to have secured it.

SECTION VIII**BIBLIOGRAPHY**

1. *Fourteenth, Sixteenth and Seventeenth Yearbooks of the National Society for the Study of Education*, 1915, 1917 and 1918.
2. *Eighteenth Yearbook of the National Society for the Study of Education*. Pt. II, 1919.
3. Knowles, Rev. J. *The London Point System of Reading for the Blind*. London, 1904.
4. Eldridge, R. C. *Six Thousand Common English Words*, Niagara Falls, New York, 1911.
5. Ayres, L. P. *The Spelling Vocabularies of Personal and Business Letters*. Russell Sage Foundation, 1913.
6. Jones, W. F. *Concrete Investigation of the Material of English Spelling*. University of South Dakota, Vermilion, South Dakota, 1913.
7. Cook, W. A. and O'Shea, M. V. *The Child and His Spelling*. Bobbs-Merrill Company, 1914.
8. Nicholson, Anne (Editor.) *A Speller for the Use of the Teachers of California*. Sacramento, California, 1914.
9. *New Orleans Public School List*. School Bulletin, 1916.
10. *Bureau of Educational Research Bulletin No. 2*. Kansas City, Missouri, 1916.
11. Houser, J. D. An Investigation of the Writing Vocabularies of Representatives of an Economic Class. *Elementary School Journal*. 17:70 8-18.

12. Anderson, W. N. *The Determination of a Spelling Vocabulary Based Upon Written Correspondence.* Dissertation, University of Iowa, 1917.
13. Horn, E. *A Study of the Vocabulary of Letters Written by Bankers to Bankers About Banking.* (Unpublished.)
14. Rice, J. M. Futility of the Spelling Grind. *Forum* 23:163-72, 1897. Later published again in *Scientific Management in Education*, New York, 1913.
15. Rice, J. M. *Scientific Management in Education.* p. 71.
16. Ibid. p. 93.
17. Ibid. p. 94.
18. Thorndike, E. L. *Mental and Social Measurements.* p. 8.
19. Buckingham, B. R. *Spelling Ability, Its Measurement and Distribution.* Columbia Contributions to Education No. 59, 1913.
20. Ibid. p. 6.
21. Ayres, L. P. *Measurement of Ability in Spelling.* Russell Sage Foundation, 1915.
22. Ibid. p. 8.
23. Ibid. p. 11.
24. Ashbaugh, E. J. and Horn, E. Necessity of Teaching Derived Forms in Spelling. *Journal of Educational Psychology*, 10:143-52, March, 1919. Also Variation in the Spelling of Root and Derived Forms of Words. (Unpublished.)
25. Buckingham, B. R. Op. cit. p. 13.
26. Courtis, S. A. *Standard Research Tests in Spelling.* Detroit, 1916.
27. Monroe, W. S. *Timed Sentence Spelling Tests.* Emporia, Kansas, 1916.
28. Fordyce, Charles. *The Nebraska Spelling Test.* University of Nebraska.
29. Ashbaugh, E. J. *Iowa Dictation Exercise and Spelling Tests.* University of Iowa, 1916.
30. Woody, C. *Measurement of Some Achievements in Arithmetic.* Columbia Contributions to Education No. 80, 1916.
31. Greene, H. A. *Tests for the Measurement of Linguistic Organization in Sentences.* Dissertation, University of Iowa, 1919.
32. Trabue, M. R. *Completion-Test Language Scales.* Columbia Contribution to Education No. 77, 1916.
33. Otis, A. S. Reliability of Spelling Scales. *School and Society*, 4:676-83, 716-22, 750-56, 793-96, October 28, November 4, 11, 18, 1916.
34. Ayres, L. P. Op. cit. p. 41.

SECTION IX
THE IOWA SPELLING SCALE
GRADE II

GRADE II

STEP 5—94%	in	get	singing
95%	let	play	they
day	that	some	with
it	82%	told	68%
and	did	75%	age
is	look	ball	am
me	so	cannot	box
	tell	hat	came
		ring	going
		this	hill
STEP 6—92%			its
93%		them	like
he	have	wind	mad
to-day	no	73%	pig
are	up	cold	playing
at	will	door	red
can	big	girl	ship
	but	lot	thank
	land	or	top
STEP 7—88%	old	think	67%
90%	say	72%	call
all	ten	bee	end
the		doing	far
you	ago	got	from
89%	an	May	give
be	hand	sat	had
go	hen	three	stop
88%	into	toy	66%
dog	of	baby	free
not	on	eat	ice
see	us	has	king
she		home	pin
87%	as	pie	put
boy	last	seeing	65%
may	man	then	bed
my	to	70%	being
was	tree	bad	by
	your	dad	fast
STEP 8—84%		looking	feet
86%	away	much	fill
good	eat	thing	find
book	fat	time	flat
for	gold	year	green
if	out		lay
84%	run		made
little	way		Miss
	we		night
83%			one
come			sun
do		bell	64%
his		cap	bat
how		corn	glad
	cow	five	grass
	dear	hit	her
		love	
		over	
STEP 9—79%	81%	74%	
		them	
		wind	
		73%	
		cold	
		door	
		girl	
		lot	
		or	
		think	
		72%	
		bee	
		doing	
		got	
		May	
		sat	
		three	
		toy	
		71%	
		baby	
		eat	
		has	
		home	
		pie	
		seeing	
		then	
		70%	
		bad	
		dad	
		looking	
		much	
		thing	
		time	
		year	
STEP 10—73%	76%	STEP 11—66%	
		69%	
		bell	
		cap	
		corn	
		five	
		hit	
		love	
		over	

inside	lost	cake	52%
make	papa	coat	about
milk	pen	holding	art
most	poor	left	ato
must	rich	morning	cool
net	room	nut	fell
same	seen	plan	life
telling	snow	rose	low
	sold	shop	near
63%	soon	slip	pass
hot	sport	stove	placee
name	take		rug
now	took		saying
wall	west		sell
	what		spell
STEP 12—58%			spot
62%			within
apple	aside	ask	51%
band	asleep	bear	around
bill	fun	beside	city
each	him	blow	forget
fall	landing	born	hall
nine	miss	dust	just
when	mother	farm	kind
yet	pay	feed	list
61%	sin	finding	pick
bid	state	helping	stay
cup	tip	lake	Sunday
down		late	town
ever	can't	long	upon
kiss	cut	post	wife
mill	fish	price	50%
part	food	ride	been
rest	grade	seed	bit
school	hay	song	black
send	here	too	blank
six	met	well	brand
tent	rain		car
till	sleep	along	fee
want	wet	bank	gather
60%		belong	grand
bay	child	dato	head
cent	game	deep	hers
forgot	keep	foot	print
gave	list	happy	shall
hold	mud	joy	sido
live	rock	kill	silk
Mr.	sit	noon	sis
sent	small	plow	spring
stand	tenth	sad	tie
standing	than	said	very
week	there	set	vent
wish	trip	shot	40%
59%	win	snowing	arm
best	yes	two	display
bring		under	faster
income	55%	war	filter
	back	where	

gate	while	44%	colder
Jan.	why	bringing	cooking
mind		card	football
nap	barn	clear	hand
never	became	corner	however
our	become	dark	June
read	blue	dinner	leg
rod	bog	fishing	lone
roll	coming	mend	lump
soft	fair	north	nothing
spent	ford	off	older
step	gland	past	once
street	hear	rush	outfit
such	help	show	river
wanting	lived	smart	sixth
	maker	stone	stood
48%	mine	tend	these
bake	open	test	tile
begin	rent	thinking	to-night
drop	rip	trust	winter
feeding	shut	try	
four	slow	wild	41%
gray	son	willing	bright
hard	sort	working	drive
inch	who	yourself	felt
letter	window		fit
note	wood	43%	fort
paper		blame	glee
pine		boat	hog
raining		both	inform
rate	STEP 14—42%	close	lie
real		damp	master
sheep	45%	drum	only
starting	banker	even	pa
thanking	behind	handed	page
wide	better	hoping	park
wool	bird	lives	report
work	butter	March	seem
	calling	more	seven
47%	cash	new	skate
able	drug	nose	something
cord	face	ours	start
fine	found	passing	teaching
form	gone	pole	wage
glass	grant	pools	walking
goldfish	kid	render	whenever
light	lady	saw	wishing
mamma	luck	someone	
meat	mail	sometime	40%
nor	mate	walk	any
oh	might		apart
order	nice	42%	brother
plate	rust	added	bunch
sight	stamp	asking	buy
sister	still	below	care
sweet	store	bet	chop
thin	table	cane	cream
were	without	east	forming
		class	gown

herself	wake	harder	deal
hour	worker	himself	fifty
hunt		keeping	fire
hunting		market	first
ink	alive	move	fresh
jump	backing	overcoat	Friday
large	Christmas	paying	grit
longer	clay	sink	ground
looked	could	staying	happen
loved	die	storm	killed
lovely	done	train	kinder
mark	egg	whatever	kindest
myself	Feb.		liver
outside	finish		longest
ranch	flower	case	noted
reader	forgive	clock	pink
rice	garment	closer	posted
saved	given	darling	recall
short	grip	don't	sack
snap	ha	farmer	safe
snowed	inclose	tiling	sending
swell	kitten	forth	sum
training	least	hate	taken
yellow	ma	held	trade
	number	herewith	word
39%	plum	inasmuch	write
afternoon	porch	need	
bugs	printed	next	34%
camp	road	oldest	alone
coy	rolling	other	bean
draft	scraps	own	beg
drill	slide	pack	began
evening	spend	rack	bother
feeder	stick	rank	boxes
getting	stunt	roof	delay
goat	washing	sick	everyone
handy	yard	sorry	feeling
having		south	fellow
homesick		supper	filling
horse		tank	gift
I'll		teeth	handsome
know	across	their	hardly
lame	again	wash	hole
leave	badly	which	indeed
lunch	bite	won't	insist
meet	boss		July
Monday	broke	air	kindly
neck	clothing	also	listed
printing	contest	aunt	loud
reading	cost	base	meal
renting	cross	blood	mostly
right	dandy	catalogue	mouth
round	eye	chair	near
Sat.	farther	chill	Nov.
shed	fight	church	Oct.
sock	frost	clean	oil
spelling	fur	cooler	picking
summer	great	cover	piddle
	STEP 15—34%		
	37%		
	across	teeth	
	again	their	
	badly	wash	
	bite	which	
	boss	won't	35%
	broke	air	
	clothing	also	
	contest	aunt	
	cost	base	
	cross	blood	
	dandy	catalogue	
	eye	chair	
	farther	chill	
	fight	church	
	frost	clean	
	fur	cooler	
	great	cover	

riding	flesh	chairman	heat	
row	folder	change	household	
says	gas	charge	merry	
shame	gladly	children	Mrs.	
shortly	lighting	chum	named	
sir	likely	crib	payment	
somewhat	linen	crop	per	
space	making	deliver	printer	
spending	many	drew	rained	
taking	pain	few	shipping	
tiny	poorly	forest	thick	
<i>33%</i>		fourth	thus	
bench	race	frame	true	
called	seat	harvest	trying	
dice	seventh	herein	visit	
dose	shade	hundred	warm	
east	slept	I'm	you'll	
eve	stage	joke	<i>28%</i>	
fear	stating	limit	add	
half	ton	larger	attending	
holder	water	pair	basket	
house	whereby	party	Bible	
ill	<i>31%</i>		brought	
intend	act	please	brush	
later	asked	post card	calf	
less	baking	scout	cheer	
mean	beat	Showed	Dr.	
meeting	chose	sooner	drilling	
peach	creep	sound	fitting	
pending	enter	strongly	garden	
profit	floor	together	gee	
rabbit	folk	treat	likewise	
remind	funny	trunk	manage	
renter	grandma	understanding	mighty	
sash	grind	washed	nearly	
saving	job	weak	present	
soap	nearer	wonder	selling	
spoke	needing	<i>29%</i>		
those	newspaper	amount	sleet	
<i>32%</i>		awhile	speed	
adding	pound	beef	stranger	
agree	protest	before	sunshine	
ahead	sale	belt	talking	
belonging	shape	birthday	thankful	
catch	smaller	booklet	track	
cattle	stair	brick	trained	
check	stock	closing	workmanship	
clever	teach	dearest	<i>27%</i>	
club	waste	dearly	anyone	
count	white	depend	behalf	
covering	woven	depending	block	
dead	<i>STEP 16—27%</i>		eared	
deed	<i>30%</i>		carpet	
dress	another	fix	carrying	
every	banking	front	chapter	
father	begun	grew	cleaner	
file	blew	hair	cleaning	
		handling	cloth	

coffee	unless	kisses	prior	
content	wanted	lace	prize	
credit	wheel	largest	proper	
dare	yesterday	lose	pump	
Dec.	yoke	maid	pupil	
does	25%		pure	
extent	all right	member	regard	
former	body	membership	regret	
growing	delighted	o'clock	remit	
housekeeping	dressed	oven	respond	
idea	dresser	partly	sand	
lining	eight	planted	September	
maple	everything	proud	team	
nobody	family	rail	throw	
opened	glove	removed	understood	
packing	heap	rented	walked	
paint	inclosing	sheet	would	
self	jar	shipment	22%	
strike	loss	shoe	absent	
strongest	lung	sire	adjust	
sure	mailed	started	afraid	
tax	marking	tight	anyway	
teacher	maybe	township	battle	
until	overlooked	turned	beaten	
wishes	people	twice	board	
worked	played	use	chart	
26%		wear	copy	
admit	queen	wise	disposed	
always	renew	won	dollar	
branch	seal	world	dream	
coal	silver	worth	flour	
danger	somewhere	STEP 17—21%		
December	steel	23%		
film	talk	almost	gain	
granted	trusting	beet	glasses	
grown	twenty	bigger	investment	
heating	understood	burn	latest	
high	voting	carry	living	
insert	weekly	closed	lowest	
isn't	wecome	cloudy	lucky	
January	western	colt	moved	
knew	wire	deeply	marley	
mass	24%		news	
month	army	demand	nineteen	
ninth	brain	died	oblige	
November	broken	dirty	per cent	
oats	crowd	enjoying	picture	
opening	early	finest	pocket	
pencil	enjoy	fixed	quick	
point	filled	greater	scared	
press	fund	grove	simple	
program	handled	inviting	sixty	
pull	haven't	main	skating	
remark	helpful	match	soil	
saver	higher	October	stuff	
thread	invited	oversight	toward	
tire	joyful	plain	tried	
	kept			

turn	habit	pillow	seller
velvet	hereafter	plenty	shown
aid	hereby	quart	sickness
because	iron	quite	sitting
birth	I've	regarding	slight
bought	junk	retail	talked
cook	knowing	rushed	throat
crew	law	seventy	twelve
daddy	load	struck	vary
exchange	matter	thereafter	violin
foolish	permit	travel	waited
frankly	powder	tread	weather
highest	public	Tuesday	weigh
hotel	quit	upper	whether
I'd	Sept.	watch	writer
inclosed	since	wheat	Xmas
itself	single		17%
Latin	size		acting
latter	standard	STEP 18-16%	adopted
loaded	supply	18%	artist
misses	title	above	attain
money	vote	ache	cabinet
moving	wagon	adjustment	chain
nerve	wedding	afloat	chance
nicely	whole	already	damage
pretty	withdraw	April	debating
setting	wrote	benefit	delivered
submit	yearly	charming	else
taste	young	chicken	enjoyed
tested	youth	closely	everybody
third		company	fifth
thought	address	delayed	forgotten
voter	ans.	discount	globe
wrong	anything	dispose	haste
	anywhere	extra	hello
20%	blooming	grandfather	independent
agreed	buyer	greatest	informed
among	center	growth	known
attend	choose	hurt	labor
brown	coin	inspect	lamb
busy	counting	invite	lately
buying	doctor	joined	leaf
coach	edge	laid	liked
dance	entry	mailing	management
dated	fact	minister	needed
death	feel	moment	person
debate	forwarding	ninety	power
detail	French	odd	prevent
dwelling	friendly	otherwise	reaches
enclosed	inches	passed	ready
enclosing	item	placed	recently
fare	join	plainly	refund
fever	lumber	postage	rule
forenoon	mister	railroad	sore
forwarded	monthly	reported	study
goose	music	sample	tatting
grain	perhaps	Saturday	ticket

The Iowa Spelling Scales

The Iowa Spelling Scales

12%			
answered	second	recover	kitchen
apply	server	relation	leaving
beyond	settle	remove	length
breaking	skirt	scale	limb
build	soldier	spirit	madam
candle	tract	splendid	married
caught	using	steady	middle
checking	voice	stopped	misunderstanding
choosing	Wednesday	strict	ordered
coasting		subject	painting
color	advantage	suffering	preparing
comfort	agreeable	talent	properly
cough	amendment	tanning	publisher
decline	backed	taxes	quiet
dependent	bluff	to-morrow	quote
desire	careful	truly	reason
earth	carefully	we'll	refer
eighty	cause	witch	remember
eleventh	caused	worry	represented
enrollment	colored		result
fence	cottage	abstract	several
forward	court	advising	simply
freeze	cute	against	spread
friendship	delivery	allow	stamped
furnish	disgusted	ankle	studying
gaining	during	answer	supplied
guess	enough	answering	text
health	entirely	applicant	Thursday
hence	express	automobile	trace
illness	February	Ave.	wonderful
installed	federal	awful	X-ray
interest	formed	barley	
ivory	formerly	bridge	
leader	graze	Bro.	
letting	heavy	button	
located	history	cheap	
manner	interested	coast	
meantime	interesting	collar	
northern	manager	condition	
obliged	modern	crazy	
offering	nevertheless	democrat	
organ	notion	destroyed	
ought	offered	due	
owned	painted	ease	
patch	parlor	enroll	
performed	penny	entitle	
problem	piano	field	
providing	picnic	furnishing	
quarter	post office	gallon	
rapid	prevented	gentleman	
record	promotion	hadn't	
refuse	prompt	heretofore	
request	promptly	important	
rifle	proves	including	
safety	putting	information	
season	raising	invoice	

11%			
advantage		suffering	
agreeable		talent	
amendment		tanning	
backed		taxes	
bluff		to-morrow	
careful		truly	
carefully		we'll	
cause		witch	
caused		worry	

10%			
colored		abstract	
cottage		advising	
court		against	
cute		allow	
delivery		ankle	
disgusted		answer	
during		answering	
enough		applicant	
entirely		automobile	
express		Ave.	
February		awful	
federal		barley	
formed		bridge	
formerly		Bro.	
graze		button	
heavy		cheap	
history		coast	
interested		collar	
interesting		condition	
manager		crazy	
modern		democrat	
nevertheless		destroyed	
notion		due	
offered		ease	
painted		enroll	
parlor		entitle	
penny		field	
piano		furnishing	
picnic		gallon	
post office		gentleman	
prevented		hadn't	
promotion		heretofore	
prompt		important	
promptly		including	
proves		information	
putting		invoice	
raising			

STEP 20—8%			
	9%		
acre		addresses	
addresses		advance	
advance		advertising	
advertising		appeal	
appeal		attach	
attach		attached	
attached		bass	
bass		boarding	
boarding		broad	
broad		candidate	
candidate		carried	
carried		cheaper	
cheaper		confident	
confident		consist	
consist		contain	
contain		contained	
contained		containing	
containing		continue	
continue		convince	
convince		cotton	
cotton		credited	

customer	united	relative	graduation	
daily	vacation	renewal	grammar	
dairy	valued	republican	guide	
data	view	reputation	heir	
dealer	whose	returning	homestead	
degree	writing	satisfy	honest	
deportment	yourselves	shipped	human	
direct	8%		hurried	
discontinued	addressed	shipper	improved	
duty	advertise	sign	increasing	
employed	ample	situation	jury	
enrolled	argument	statement	justify	
entertainment	assist	station	learning	
except	assortment	sugar	leather	
favor	attention	surprise	librarian	
firm	barely	thesis	limited	
following	believe	though	listen	
fortune	blackberries	touch	literary	
girlie	braid	towel	location	
happened	builder	visiting	loyal	
improving	built	waist	merit	
instant	bulk	we've	obtain	
instructed	cellar	winner	operation	
intention	comfortable	7%		
internal	confer	ability	patron	
international	continued	according	perfect	
machine	daughter	acted	perfectly	
nation	education	active	piece	
normal	effort	addition	policy	
ocean	establish	adjusted	prepaid	
pattern	etc.	administrator	property	
peace	figure	ambition	published	
phone	fuel	auntie	question	
phoned	gained	between	register	
potatoes	gentlemen	bracelet	regular	
postal	German	break	regulation	
prefer	good-bye	breakfast	remedy	
president	grateful	capital	remembered	
promised	healthy	cashier	rendered	
proven	meter	checked	resident	
raise	officer	concluded	section	
reasonable	opera	consider	seldom	
remain	operated	considerable	shopping	
replying	package	contract	shoulder	
represent	payable	conversation	style	
requested	pearl	cutting	suppose	
returned	planning	desired	thirty	
ruin	pleasant	develop	total	
running	position	director	transfer	
rye	priced	discovered	treated	
student	Prof.	dodge	vacant	
suggest	protected	drama	valley	
support	provide	entire	Scales 21-60.	
through	queer	exceptional	61-70.	
trouble	raiser	explained	account	
turkey	realize	fault	action	
uniform	reduce	fitted	actor	

advertisement	ourselves	convinced	submitted
allowed	personal	correct	suggested
although	planned	course	suitable
altogether	popular	deserve	supposed
appear	possess	district	terrible
applied	possibly	doesn't	tickled
appointment	prayer	doubt	volume
average	preacher	earnest	watched
avoid	product	employee	
ballot	prospect	entertaining	STEP 22—4%
based	really	ere	4%
believing	realizing	estimated	
blessed	repeat	example	absolute
calendar	require	expected	absolutely
cherries	retain	explain	accept
choice	route	explaining	accordance
college	saddle	federation	advised
common	sanitary	female	alley
complete	satisfactory	foundation	appearance
congratulate	secure	general	appointed
consideration	secured	group	arrive
contemplated	separate	hauled	arrived
convention	settlement	headache	assuring
copies	silence	honestly	bonus
corporation	slippery	illustrated	butcher
correspondent	studies	include	canvass
couple	subscriber	included	capacity
cousin	surprised	invitation	carrier
curtain	throughout	lbs.	certain
decide	traveling	lodge	circular
decided	treatment	maintain	compelled
desiring	trial	mentioned	constantly
earning	weight	million	correction
eighteen	weren't	minute	crippled
either	worrying	moral	cure
election	worse	narrow	democratic
English	worst	noticed	deposit
entered		opinion	depot
envelope	advertised	owner	described
examination	affair	particular	directed
favorite	amounting	parties	disappointment
figured	attractive	personality	disposal
forced	beauty	pertaining	earliest
graduating	biggest	possible	elected
hesitate	calm	preparation	entitled
holiday	cement	prepared	evidently
honor	central	private	exactly
hospital	chief	quoted	exam.
husband	cigar	reliable	excuse
ironing	cities	reliability	exhibit
judge	combination	requesting	expired
label	commence	reserve	expensive
mention	conduct	salary	expressed
neglect	congratulation	select	fabric
noticé	consequently	service	factory
notify	considered	sorrow	failure
orange	considering	stories	future

genuine	union	disease	occupied
graduate	urge	distribution	operating
guest	valuable	division	ordinary
handkerchief	welfare	dreadful	organization
happiness	worthy	durable	organized
headquarter	written	easily	original
immense	5%		
improvement	absence	employer	parcel
inclined	accomplish	entering	parent
increase	accommodeate	epidemic	period
inquire	acquainted	equipped	practically
inquiry	administration	error	practice
instead	adventure	especially	premium
instruct	agriculture	established	prepare
investigation	allotment	excellent	presume
jobber	animal	excited	principal
judgment	anxious	expense	privilege
laugh	application	explanation	probably
lecture	appreciated	extensive	proceed
legal	arrange	factor	profitable
library	arranged	factories	promise
local	article	favorable	publication
manufacture	assembly	favored	rec'd
meant	assistant	feature	received
merely	athletics	figuring	recommend
nature	attended	freight	referred
neighbor	author	frequently	regardless
neighborhood	automatic	frozen	relieve
nervous	available	furnace	requirement
nickel	awfully	furnished	reservation
obligation	balance	garage	response
obtained	banquet	geometry	resulting
practical	bargain	ghost	Sabbath
practieing	brief	guarantee	sidesman
procured	bulletin	guaranteed	satisfaction
produce	burden	imagine	satisfactory
progress	business	increased	secretary
purchase	carnival	identify	securing
purpose	cedar	indicate	sense
quality	certainly	inducement	society
receive	climate	immediately	straight
reference	collect	installment	subscription
referring	completely	instance	superintendent
refreshment	composition	institution	surplus
refused	concern	investigate	telephone
required	confirming	involved	thorough
respectfully	connected	journal	thoroughly
satisfied	connection	justified	timidity
search	conveniently	knowledgo	usually
settled	co-operating	magazine	
signature	couldn't	material	
signed	council	materially	
special	crowded	measure	
surface	debt	mortgage	
sweater	difference	national	
theater	difficulty	naturally	
treasurer	direction	object	

Suff. 23-24

accordingly
affitional
affectionately
ant and
antitally

anticipating	elsewhere	production	appreciation
appendicitis	engineer	proposition	approved
arrival	engineering	purchased	arriving
assessment	entertain	qualities	assigned
assure	equipment	quantity	assignment
assured	excess	readily	assistance
attempt	exclusively	receiving	associated
attendance	executive	recess	association
authorized	exercise	recite	assume
aware	exhibition	reduction	assurance
beginning	existing	registered	attraction
canned	experience	registration	authority
capable	expression	remembrance	avenue
certificate	extreme	representation	barrel
chautauqua	fashion	responsible	calves
Christian	finally	rough	campaign
circulation	followed	rural	candidacy
circuit	fraternally	selected	celebrate
circus	funeral	senior	channel
citizen	geography	similar	choir
civics	glorious	sincere	circumstances
coarse	gratitude	social	commerce
collection	grocery	solicit	commercial
commission	Hallowe'en	strawberries	community
commissioner	honorable	succeeded	companies
committee	illustration	success	conclusion
communication	importance	successful	conference
companion	impossible	superior	confirm
complaint	influence	supervision	connect
concerning	inquiries	system	consequence
concert	inspector	telegram	considerably
confidence	insurance	territory	constitution
connected	interfere	themselves	construction
connecting	issue	transportation	convenience
conservatory	junior	university	co-operation
consultation	language	variety	cordial
contemplating	legislation	weighed	cordially
contrary	liable	wholesale	corrected
co-operative	liberal	worried	correspond
correctly	literature		crochet
courage	machinery		crocheting
creamery	medicine		coupon
current	mental		dangerous
cushion	merchandise		decision
customary	moderate		decrease
definite	musical		definitely
deliveries	neglected		design
demonstrated	nephew		destination
deserved	niece		discourage
development	organize		duplicate
different	pardon		efficiency
directly	patient		efficient
domestic	permanent		electricity
doubtless	politics		enormous
duties	positive		enthusiasm
effect	preliminary		enthusiastic
electrical	presence		essential

STEP 24—1%

evidence	opportunity	type	disappointed
examine	orchestra	universal	encourage
examined	originally	unusually	equally
examiner	particularly	usual	exact
exception	physician	vision	excitement
exceptionally	pneumonia	zephyr	executed
exhausted	politician		extremely
expecting	possession		familiar
extended	previous		foreign
extension	produced		fortunate
famous	prosperity		fundamental
fashionable	receipt		generally
favorably	reception		inferior
fierce	reduced		ingredients
financial	regretting		leisure
furniture	regularly		majority
generous	relationship		manufacturing
government	relieved		maturity
gradually	remained		mountain
gripe	remittance		natural
hastily	representative		occasion
humor	resigned		occasionally
hustling	resource		peculiarities
illustrating	scarce		personally
immediate	science		phosphorus
impression	selection		physical
inconvenience	series		possibility
individual	serious		prevail
institute	sincerely		process
instruction	soliciting		profession
instructor	specially		professional
instrument	stationary		prosperous
introduced	stomach		qualities
introduction	straightened		quotation
issued	strength		recommendation
license	strictly		responsibility
lieutenant	struggle		rheumatism
liquid	studied		schedule
mechanical	substitute		scientific
necessary	succeed		source
necessity	sufficient		specification
neither	supervisor		unnecessary
notary	surgery		unusual
notified	sympathy		various
numerous	tuberculosis		vicinity
official			

STEP 25—0%

SECTION X

THE IOWA SPELLING SCALE

GRADE III

GRADE III

STEP 1—100%		92%	boy	looking
in	by		cannot	make
	come		hand	much
STEP 2—99%	get		run	must
is	have		sent	pay
	into		we	put
STEP 3—98%	may			sand
	on	87%	ago	sat
are	one		as	six
good	play		down	snow
he	say		home	sun
it	time		so	yet
STEP 4—96%	with		toy	
	your	91%	when	83%
can	an			after
my	for			bed
see	his			bring
that	like			cold
	man			cow
and	some	86%	age	far
be	the		bell	foot
book	them		door	ill
day	up		from	just
she	way		letter	kill
STEP 5—94%			live	made
		90%	night	meat
all	big		or	they
at	gold		red	top
but	got		thing	week
did	had		till	
do	her		us	82%
little	of			
not	over			back
out	think			ball
was	this			black
you	tree			call
	wood	89%		doing
dear	ask			five
dog	give			gave
eat	how			grass
go	if			green
me	land			hard
old	last			has
to-day	let			ink
year	look			lot
STEP 6—92%	love			mother
	tell			Mr.
ice	ten			playing
will	then	88%		ring
	being			ship
				Sunday
				tent
				thank
				there
				wind

STEP 9—79%	singing	song	glad
81%	tenth	soon	hero
about	too	spell	hunt
am	town	standing	mino
baby	war	start	note
bank		state	sad
bay	78%	told	shop
best	along	two	sold
each	aside	under	stand
feet	car	want	stop
fill	colder	why	table
food	face	within	thanking
hill	fat		to night
him	girl		wall
inside	goat		win
lay	hall	STEP 10—73%	74%
May	house	add	bid
more	lake	bear	cap
seeing	late	calling	eye
send	March	card	Feb.
sheep	off	care	first
without	oil	corn	flat
work	once	fall	help
yes	rain	find	hot
80%	same	four	Jan.
away	stay	happy	Miss
boat	take	hear	nice
butter	very	hold	our
cake		joy	pink
cent	77%	keep	print
cut	backing	kind	real
ever	band	longer	said
free	belong	low	saw
lost	blow	never	seen
Monday	eup	park	spent
morning	end	pen	to
new	fell	pin	willing
no	fine	plan	yard
pig	flower	room	75%
place	fun	seed	better
read	grand	sleep	bill
stove	hay	spelling	east
sweet	its	sport	forget
went	mad	stone	goldfish
west	now	summer	lived
working	nut	upon	lives
79%	overcoat	where	many
become	papa		myself
child	part	able	net
hen	pino	around	nine
milk	ride	banker	noon
name	rust	cover	ocean
pie	side	dad	river
poor	silk	every	rock
rich	sister	farm	set
school	snowing	Friday	show
	son	game	sick

soft	washing	step	those
window	wish	test	took
winter	70%	wanting	walking
72%	afternoon	68%	which
any	barn	arm	white
baker	became	asking	write
blue	can't	bat	yellow
city	children	behind	66%
cook	cream	below	adding
dance	deep	brand	air
die	drive	bright	alive
dinner	dust	danger	belonging
gate	faster	dark	cane
head	father	fair	cattle
helping	gray	feed	clock
inch	heat	fit	coming
kiss	hit	June	done
maker	hog	lady	don't
mate	hour	lone	fire
mill	large	mail	ford
near	mark	north	form
older	mud	nothing	garden
paper	oh	order	gather
picking	outside	race	handed
post	page	rolling	holding
rent	price	sin	kindly
rose	rest	sit	leave
shot	round	spot	ma
store	sell	starting	making
thin	spring	teach	market
tip	train	teacher	meal
were	true	thinking	pa
who	trust	try	paying
wide	water	walk	reading
	wife	yourself	report
71%		67%	stamp
bird	STEP 11—66%	art	whatever
brother		banking	65%
date	69%	been	added
even	ate	blank	author
felt	beside	both	bet
finding	bit	clay	born
forgive	clear	Dec.	bunch
found	close	fort	cool
gone	cost	glass	hers
kid	could	hair	hunting
landing	dress	however	income
life	drop	master	January
pick	fishing	Nov.	lame
plow	given	plate	met
seven	ground	Sat.	mind
slow	Oct.	seat	move
stage	other	shut	right
still	rate	something	rush
stood	road	stick	sending
supper	rug	street	sort
telling	saying	teeth	south

The Iowa Spelling Scales

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such	eve	nor	harder
talk	farmer	ours	holder
wake	fear	pass	jump
wild	few	past	kitten
64%		fight	pencil
ahead	finger	please	looked
bean	July	porch	meet
buy	longest	post card	October
camp	luck	posted	only
eash	mean	rail	pain
class	news	raining	pillow
delay	nose	saved	pole
drum	own	shoe	roll
feeding	party	small	sis
handy	per	space	sixty
horse	poorly	sugar	someone
later	reader	than	staying
lift	rice	their	taken
neck	sack	whenever	talking
next	safe	worker	while
pack	sink	yearly	wonder
peach	sir	60%	
rank	smart	always	wool
short	tank	apart	58%
slip	tend	asked	army
snowed	thereafter	bito	ease
storm	tiny	block	chop
these	trip	body	church
wet	weak	cloth	darling
63%		count	December
also	wishing	cross	everything
brick	would	dream	forest
east	61%		gift
clean	another	fifty	glove
cooking	April	football	goose
cord	asleep	great	half
dandy	blame	job	happen
display	brush	loved	having
flour	chair	month	high
fur	coal	nearly	leaves
ha	contest	need	matter
held	corner	none	pound
indeed	dead	outfit	rained
mouth	deal	queen	seen
nap	dearly	shipment	shade
roof	died	sunshine	shall
sound	fellow	tie	soap
spend	hang	Tuesday	softly
taking	hardly	wise	stated
track	hearing	won't	teaching
STEP 12—58%		yesterday	thought
62%		hole	twenty
bringing	inasmuch	across	with
draft	kinder	afloat	word
eight	know	beat	world
	larger	begin	agreed
	list	blood	alone
	miss	farming	anyone

anything	55%	oldest	color
basket	birthday	packing	creep
bench	Christmas	passing	deed
content	cleaning	point	dresser
egg	closer	ready	heating
filling	evening	recall	homesick
fix	gland	rented	hoping
frost	grandma	riding	island
fruit	hundred	rod	leader
grant	lace	says	learn
growing	least	sight	maid
kindest	noted	somewhat	oblige
lie	number	sore	opened
liver	otherwise	stranger	overlooked
money	pair	swell	rack
oven	planted	township	shape
peace	plum	treat	spoke
reach	pull	use	stunt
renew	pure	wanted	thankful
row	quart	washed	trade
self	ranch	53%	wage
should	saver	boxes	Wednesday
skate	sew	branch	51%
slide	snap	chart	bother
stock	sometime	earth	bugs
warm	speed	farther	carry
wheel	spending	folk	counting
56%		grain	country
again	tested	I'll	crib
aunt	worked	inform	deliver
belt	STEP 13—50%		early
called	badly	mend	easy
carpet		mostly	eighty
check	because	penny	finish
clothing	bought	powder	folder
damp	brought	pride	former
enter	cheer	quick	forth
floor	chill	render	greeting
gladly	club	saving	hate
law	covering	selling	hereafter
marking	crop	sheet	lovely
Mrs.	dearest	sooner	lumber
nobody	drill	team	mailed
oats	everyone	training	mamma
orange	fee	trusting	paint
pocket	grandfather	welcome	person
printed	himself	wheat	proper
protest	inclose	whereby	proud
rabbit	invited	worth	railroad
renter	itself	52%	shed
silver	leg	above	soil
third	less	battle	steam
thread	load	begun	study
thus	lump	cared	thick
tile	might	chain	throw
wishes	November	charge	twice
		closed	unless

The Iowa Spelling Scales

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wagon	tire	speaker	housekeeping
youth	trying	ton	invite
50%	48%	travel	inviting
booklet	anyhow	trunk	leaf
brown	before	used	learned
candle	Bible	velvet	liked
depend	broke	wire	loaded
does	copy	46%	loud
grew	coy	afraid	painter
grind	drew	almost	pending
intend	feeder	began	played
killed	front	behalf	pleasure
lighting	heard	between	plenty
lose	herewith	chicken	press
maple	higher	closing	reached
meeting	hoped	dice	simple
nearer	household	enjoy	sleet
opening	listed	fail	Thursday
payment	match	fifteen	together
pools	mister	flesh	tried
pretty	moment	frame	unable
remark	picture	funny	waited
seventy	post office	grip	weather
stair	remind	grown	woman
understanding	rule	inclosed	wrong
walked	seal	junk	44%
weekly	shame	kindness	beef
young	speak	kisses	board
49%	stating	laugh	calf
all right	sum	lesson	cleaned
bug	tax	liberty	company
boss	ticket	living	cotton
bottle	turn	maybe	dare
brain	wear	named	Dr.
busy	47%	neat	everybody
coffee	catch	painted	feeling
colt	change	pleased	filled
doctor	cleaner	printer	gas
fence	clever	shortly	harvest
file	death	strongest	improve
forty	dread	watch	includes
fresh	drug	won	joke
glee	garment	woven	joyful
granted	gee	STEP 14—42%	largest
handle	gown	45%	likewise
I'm	iron	ans.	member
lunch	knew	anyway	members
moving	main	blew	newspaper
partly	member	branches	odd
people	merry	broken	pump
printing	moved	burying	regard
renting	needling	demand	retreat
September	nineteen	French	rubber
seventh	remove	getting	scout
sixth	rip	grove	sewing
size	sash		soak
	scraps		whore

started	sure	gallon	lonely
strike	twelve	hardware	noise
turkey	understand	insert	regarding
voter	worm	knowing	reply
western	you'll	known	reported
writing		41%	seller
wrote	act	latest	sickness
	agent	meantime	utmost
43%	among	monthly	weary
auto	ashamed	nation	wished
charming	Aug.	program	
chose	Ave.	raw	
dated	awhile	settle	STEP 15—34%
drilling	cause	slipper	
enclosed	chairman	taste	37%
filng	cooler	trace	base
finest	delighted	waiting	building
handling	extent	whom	buyer
helpful	fourth	writer	coach
hurt	fully	Xmas.	comply
I'd	heat		deeply
idea	herein	39%	delightful
insist	jar	address	dirty
latter	likely	beef	during
leather	loving	beg	fact
lower	music	chum	fairly
mighty	phone	crowd	forward
office	potatoes	damage	guess
plain	power	discount	hare
present	prize	duty	heavy
quite	profit	feel	hereby
recover	prove	knot	history
removed	range	linen	informed
running	reaching	loss	join
smaller	respond	manage	listen
that's	sale	packed	manner
Tues.	sample	painting	minute
42%	steel	perhaps	movement
afterward	until	remit	namely
amount	wedding	retain	ordering
birth	women	since	organ
classes		slept	ought
friend	already	suit	payable
glasses	answer	therefore	prevent
globe	anybody	title	provided
grip	anywhere	uncle	quit
handsome	boiler	visit	reason
hurry	burn	vote	remain
learning	chance	workmanship	seemed
needed	cloudy		skating
patch	dose	38%	thereof
postage	dozen	baking	tight
quickly	dressed	bushel	trained
return	fifth	coin	whole
Saturday	follow	cottage	witch
second	frankly	debate	withdraw
Sept.	fund	gotten	worst

	36%		
adjust	haven't	permit	crazy
backed	highest	raised	carrying
bottom	inclosing	rushed	clerk
buggy	outlined	score	expert
button	placing	shoulder	extra
catalogue	remember	soldier	finished
caused	serve	waist	forgotten
checking	share	waste	formed
clearly	single	wonderful	forwarding
county	skirt	zone	hotel
cutting	strongly		item
dancing	thirty		I've
depending	toward		level
eighteen	visiting		lining
field			lonesome
friendly	advise		narrow
further	agreed		ninety
habit	break		parlor
isn't	Bro.		picnic
lamb	choose		proof
leaving	coast		recovered
lucky	court		returned
mailing	devoted		season
misses	dollar		served
mistake	figure		shipping
nerve	film		thousand
nevertheless	frozen		truly
owing	gravy		upper
pearl	handled		
proved	kept		SPP. 16—27
quarter	letting		
ribbon	performed		advice
setting	repeat		barrel
showed	scale		bread
spread	shopping		careful
talked	submit		caught
Thanksgiving	through		changed
tired	value		cheaper
tread			cheerful
treated	carrying		credit
wait	changing		engaged
watching	collar		else
	daddy		enclose
35%	dealing		enjoyable
August	dispose		Fairbank
awaiting	edge		foolish
bigger	fancy		helped
bulk	fever		invoice
center	fitting		nickel
chapter	forwarded		noise
daily	illness		piano
enclosing	intended		provide
express	kitchen		rising
failed	lung		soften
family	mass		record
fixed	obliged		rodeo
	o'clock		

sign	middle	artist	loan
slight	notice	beyond	offering
struck	passed	bowl	package
vacation	patent	closely	perfect
worry	phoned	continue	piano
	29%	pupil	problem
admit	putting	contract	promise
alfalfa	repair	cure	rainy
answered	saddle	delivery	recently
breakfast	stayed	dreadful	renewed
checked	studying	ease	requested
cherries	taught	explained	stories
covered	taxes	favor	towel
dealer	touch	force	24%
enjoyed	united	gaining	active
explain	valued	gentleman	adjustment
extend	voice	graze	billed
German	we'll	health	circus
laid		hence	cousin
Latin	addresses	honest	cripple
losing	aid	improving	dodge
pavement	attend	limit	figured
per cent	blessed	married	friendship
prevented	booth	preacher	furnish
proven	bridge	properly	hasn't
queer	carefully	public	Hello
raise	coasting	refund	industry
recent	confined	serving	inst.
recess	contain	shock	interesting
remembering	detail	spare	lately
request	entry	stamped	management
rough	factory	trouble	mention
sire	furnishing	watched	model
smooth	happened	wearing	obtained
supply	holiday	wondering	ordered
temple	including		owned
to-morrow	instead	acted	primary
turned	investment	amply	prior
unpaid	largely	ankle	property
using	loose	answering	rapid
worse	ocean	balance	refuse
yoke	respect	barley	suitable
	returning	blooming	text
28%	ruin	captain	whose
built	secure	clothe	wouldn't
cheap	standard	common	
colored	statement	control	
consist	suffering	cough	STEP 17—21%
decline	surprise	crew	23%
delayed	throughout	dairy	advance
fern	useful	didn't	aren't
gain	vary	either	breaking
haste	violin	entering	carried
ideal	zero	excuse	cellar
joined		forenoon	contained
ladies	26%	good-bye	containing
locate	aim	greatly	explaining
lovingly	amounting	instant	

The Iowa Spelling Scales

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formerly	entertaining	prompt	tatting
freeze	entire	quoted	uniform
gentlemen	ere	rapidly	worrying
group	etc.	receive	
guide	except	refreshment	
headquarter	flavor	rendered	STEP 18—16%
interest	following	replying	18%
language	hurried	require	addressed
manager	improved	search	attain
message	jury	silence	average
pastor	maintain	situation	avoid
postal	method	splendid	butcher
presented	owner	stopped	cartoon
slightly	promised	weigh	climate
sorrow	represented		companion
talent	strict	19%	couple
treatment	suppose	advising	described
22%	tract	apply	employed
abstract	traveling	argument	enrollment
actor	visited	booster	example
animal	wasn't	cigar	final
attending	winner	confident	information
bluff	written	creamy	intention
boarding	you'd	due	interested
dependent	yourselves	favorite	lecture
earnest		fortune	lodge
enroll	20%	fuel	mentioned
entered	addition	furnace	notion
fare	adjusted	furnished	offered
firm	advantage	guest	operated
headache	advertised	handkerchief	popular
healthy	alley	husband	prepared
pattern	aware	important	procured
publisher	beauty	include	Prof.
rye	cabinet	included	prospect
seldom	client	installed	raiser
steady	constant	ironing	refused
studies	convention	jobber	republican
surface	decided	minister	reservative
term	deportment	normal	safety
transit	deserve	obtain	semester
21%	direct	planning	settled
adopted	dwelling	pleasant	slippery
against	enrolled	promotion	spirit
agreeable	female	protected	
allow	figuring	question	
amendment	fitted	realize	although
attach	gained	refer	benefit
automobile	growth	represent	biggest
bass	honestly	required	calm
believe	honor	satisfied	carrier
burden	increasing	select	controllable
chief	limited	settlement	competition
degree	located	several	democrat
desired	machine	station	desiring
discovered	missed	student	effort
English	modern	subject	election
	northern	support	entertainment

expressed	theater	separate	doubt
fault	tickled	valley	exciting
grocery	topic	14%	extended
hadn't	vacant	adventure	famous
human	we've	advertise	followed
instructed	15%	affair	foundation
ivory	advertisement	applied	freight
length	advertising	assist	general
local	altogether	auntie	girlie
loyal	appear	barely	graduating
nature	based	basis	graduation
piece	bracelet	candidate	heir
prepaid	canned	capable	inclined
produce	choice	capital	inspector
really	combination	concluded	location
relation	correct	conduct	meant
rifle	customer	confer	parcel
shipper	cute	consideration	period
sweater	destroyed	continued	personal
weighed	district	copies	positive
16%	drama	course	prefer
ambition	entitle	excited	production
average	equally	expecting	realizing
bargain	expired	factor	salary
blackberries	gasoline	fashion	sanitary
consider	importance	forced	satisfaction
considering	increased	judge	secured
contemplated	international	library	selection
conversation	madam	manufacture	stomach
daughter	manual	operation	success
decide	measure	parent	telegram
depot	meter	product	telephone
directed	misunderstanding	quote	total
direction	moral	relative	welfare
director	mountain	reputation	worthy
discontinued	neglect	Sabbath	12%
disgusted	neither	studied	advanced
doesn't	object	style	assure
education	organized	tanning	attention
entirely	ourselves	view	believing
federal	pardon	weight	central
future	perfectly		coarse
garage	president		college
grateful	publication	STEP 19—12%	complaint
inquiry	published	13%	complete
lbs.	purpose	ache	congratulation
parties	reasonable	action	considered
patron	reduction	advised	constantly
pertaining	regardless	appointment	contrary
prayer	relationship	arrange	convince
promptly	renewal	braid	different
result	requesting	certainly	duties
route	resident	choosing	easily
service	resulting	considerable	elected
shipped	salesman	couldn't	equipment
struggle	satisfactory	credited	exam.
surprised	scarce	disposal	existing

expected	progress	suggested	arranged
failure	reference	treasurer	article
favorable	register	trial	issuing
heretofore	remembered	valuable	attended
inquire	section	volume	attraction
invitation	straight	worried	attractive
justify	surplus		calves
literary	themselves		caravans
niece			carnival
personality			cashier
preparation	absolute		Christian
prepare	according		cities
priced	agency		collect
produced	appeared		connect
regular	applicant		connected
remedy	arrived		consequently
respectfully	attached		council
responsible	automatic		current
sense	beginning		deposit
signed	cement		description
strawberries	commence		design
superintendent	concerning		disappointment
transfer	convinced		entitled
X-ray	co-operating		exception
	corporation		favored
ability	crowded		instance
appeal	data		involved
athletics	develop		literature
awful	directly		machinery
calendar	engineer		merit
capacity	envelope		mortgage
cedar	exactly		ordinary
concern	exhibit		particular
concert	fabric		preliminary
conference	grammar		preparing
congratulate	happiness		prevail
correction	hesitate		proceed
courage	hospital		recommend
curtain	indicate		representation
duplicate	influence		requirement
durable	instruct		restless
employee	internal		satisfactorily
entertain	investigation		satisfy
evidently	justified		secretary
explanation	million		separate
ghost	neglected		suggest
identify	nephew		supplied
increase	noticed		supplies
installment	policy		univers
institution	presume		univers
label	private		univers
liquid	proposition		univers
mere	rec'd		univers
opera	reduced		univers
position	registered		univers
possess	regulation		univers
possible	reliable		univers
	securing		univers
		STEP 20-8%	
		7%	
		absence	
		acre	

channel	submitted	similar	privilege
collection	supposed	society	process
completely	terrible	succeeded	prosperous
confidence	urge	university	readily
connection	weren't	variety	regularly
co-operation	wholesale	vision	serious
cushion	STEP 21—6%		social
dangerous	6%		subscription
debt	accept	accordance	successful
destination	accomplish	acknowledge	surgery
difference	agriculture	acquire	sympathy
division	announce	allotment	timothy
employer	assigned	alumni	type
exact	assortment	anniversary	usual
exceptional	ballot	anxious	
excitement	bulletin	attorney	
exercise	celebrate	available	
expense	circuit	awfully	
expensive	circular	bonus	STEP 22—4%
expression	collecting	citizen	4%
extreme	communication	commerce	acceptance
feature	community	committee	accident
fraternally	compelled	constitution	acquainted
furniture	confirm	contemplating	actual
graduate	correspond	conveniently	advancement
hastily	correspondent	correctly	affectionately
illustrated	decrease	correspondence	algebra
inducement	demonstrated	coupon	annual
instruction	disagreeable	difficulty	appearance
insurance	engineering	domestic	appointed
introduced	error	doubtless	appreciated
legal	estimated	effect	assignment
legislation	evidence	electrical	assistance
magazine	excess	examine	assume
medicine	experience	exclusively	assurance
musical	fierce	fashionable	blizzard
national	frequently	federation	bureau
notary	geometry	generally	business
notify	gratitude	glorious	certificate
occupied	guaranteed	government	character
operating	hustling	humor	circulation
opinion	imagine	illustrating	circumstances
organization	junior	immediate	conclusion
patient	knowledge	immediately	connecting
permanent	material	impossible	conservatory
possibly	mental	inconvenience	considerably
practical	merchandise	inquires	convenience
probably	merely	issue	cordially
profession	neighbor	issued	crocheting
receiving	numerous	judgment	customary
reception	original	liable	decision
reduce	planned	liberal	definitely
remembrance	quantity	moderate	development
reservation	referring	notified	disease
rural	remittance	occasion	efficient
special	representative	official	electricity
straightened		politics	enthusiasm
		principle	epidemic
			examined

excellent	attendance	appreciate	apparatus
executed	civics	assembly	appendicitis
executive	convenient	auditor	appreciation
exhausted	cordial	authority	associate
familiar	corrected	campaign	associated
finally	definite	candidacy	attitude
generous	difficult	commercial	characteristic
illustration	disappoint	commission	chautauqua
instructor	discourage	commissioner	confirmation
investigate	efficiency	compliment	continuous
journal	encourage	consequence	courteous
materially	enormous	construction	exceptionally
naturally	equipped	consultation	extremely
opportunity	especially	co-operative	fundamental
personally	examiner	erocket	Hallowe'en
physician	exhibition	demonstration	individual
practically	extension	disappointed	ingredients
premium	favorably	enthusiastic	leisure
principal	guarantee	financial	majority
profitable	impression	gradually	maturity
purchased	instrument	grippe	necessary
qualities	interfere	immenso	orchestra
quotation	librarian	inferior	pneumonia
recommendation	manufacturing	institute	politician
referred	practicing	introduced	possibility
response	presence	lieutenant	quantities
science	purchase	mechanical	resource
series	receipt	natural	responsibility
sincere	relieved	necessity	schedule
strictly	remained	originally	senior
succeed	sincerely	particularly	soliciting
sufficient	solicit	previous	specially
superior	specification	professional	
system	stationary	prosperity	STEP 25—10%
thoroughly	supervision	regretting	advisable
transportation	territory	rheumatism	anticipate
unusually	usually	source	appreciating
various	vicinity	substitute	essential
3%	zephyr	supervisor	foreign
accommodeate		unnecessary	fortunate
accordingly		unusual	increase
activity			occasionally
affidavit			peculiarities
approval			phosphorus
approved			physical
arrangement			possessor
arrival			scientific
arriving			symphonies
assessment			
association			

STEP 23—2%

accompanying
accredited
actually
administration
admission
agricultural
annouement
anticipating

STEP 24—1%

accomplished
acquaintance
ambitions
analysis
annually

SECTION XI

THE IOWA SPELLING SCALE

GRADE IV

GRADE IV

STEP 1—100%	hand in at did dog me thank thing to-day	why wind into last let letter may mother must not old on one over say she that think this way when will with	96%	had hat head Jan. longer pay place poor ring river same send some summer sweet table then time to-night us wish work working
STEP 2—99%	and are big book but day dear good have he his is it land like little look May out run see ship tree up was what year you	free going gold hard her how live looking man my read reader red sand south tell ten we	94%	am bad bed bee cannot coat end fast faster Feb. for has him just kind king Monday Nov. of papa pig play real ride road Sat. seeing silk stove sun
	STEP 4—96%	apple bell butter by cook door eat green ice if left love made make milk night said school six snow state Sunday them they three top under	97%	STEP 5—94%
STEP 3—98%	about after age ago baby bank bill box dark date dinner do doing east ever face foot from frost gave	95%		

The Iowa Spelling Scales

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till	ball	blue	bunch
two	below	came	cap
wall	best	coal	car
where	bird	cover	case
wood	blow	fat	country
yet	card	forget	delay
	eat	game	drive
STEP 6—92%	clear	girl	fellow
93%	cold	gone	fill
along	cream	hang	fino
ask	cup	help	gate
black	far	house	goldfish
blank	farm	ink	grade
call	feet	July	helping
child	found	June	hill
clean	fun	keep	hog
clock	fur	kid	horse
could	hall	looked	hour
cow	happy	lost	hunt
cut	hear	low	late
eye	inch	nine	long
home	joy	noon	meat
hot	lady	open	most
however	large	page	next
inside	lay	park	nut
kiss	lived	pen	outside
lake	lot	post	pennah
life	March	put	people
light	mark	rain	pie
Mr.	more	reading	plow
much	mouth	sat	saying
name	move	sell	shop
near	no	sent	snowed
never	note	show	song
nice	October	side	spelt
number	oil	singing	sunshino
Oct.	report	sister	take
off	rest	so	took
once	saw	sport	walk
overcoat	small	standing	war
playing	stage	stay	wash
price	stand	stick	went
rich	telling	supper	whatever
room	thanking	there	wife
store	told	trip	without
thinking	town	very	worker
toy	want	water	write
walking	week	while	
well	yellow	win	bede
who		window	benet
winter	air	yes	clap
yard	band		earth
	banker		fall
92%	bay		fall
art	belong		flat
aside	besido		flat
back	better	any	flat
		around	flame

STEP 7—88%

more

most

mother

mother

ground	mail	sugar	stood
hen	maker	taking	street
ill	market	tank	teacher
larger	meal	teaching	wild
leave	mine	trunk	wishing
lunch	money	wheel	
new	mud		85%
north	now		adding
oh	or	STEP 8—84%	also
older	our		barn
part	pick	86%	bean
paying	pin	block	boat
rock	rail	body	camp
sheep	rent	cattle	colder
sir	rice	clay	dead
snowing	row	close	deal
such	seat	count	don't
taken	seen	crop	feed
teach	set	dad	first
test	shipment	dandy	fort
the	son	December	glass
weak	stop	die	January
willing	tent	dust	job
within	train	eight	know
word	trust	farmer	leg
would		fishing	many
yourself	add	flower	mate
	added	gather	music
able	asking	hay	nobody
afternoon	bat	heat	plan
alive	because	holding	race
arm	become	inasmuch	reach
asked	being	master	recall
banking	brand	mill	rust
basket	bright	Miss	sad
born	brother	neck	saved
bring	calling	nothing	seven
can't	class	oats	shall
care	danger	order	short
children	egg	outfit	should
dance	fire	oven	slow
dress	fish	pine	staying
drop	form	point	talking
early	glee	porch	tenth
even	lives	pure	trying
fall	luck	quick	upon
finding	meet	railroad	washing
Friday	morning	round	watch
grand	myself	sack	wheat
handy	net	seed	wool
here	paper	sick	
hold	party	smart	84%
hunting	plate	space	above
landing	print	spot	battle
law	sleep	spring	been
loved	spell	stamp	birthday
mad	step	starting	bringing
		still	brought
			brown

catch	remove	speak	wonder
chair	renew	talk	yesterday
church	rush	tip	80%
forgive	shoe	twenty	alone
four	sixty	unless	always
glad	someone	used	again
island	sound	velvet	ate
kill	speaker	wet	bet
kindly	thin	white	between
lesson	thus	worked	Bible
longest	to	world	bound
ma	were		both
other	whenever	STEP 9 -79%	broke
ours	wide	81%	change
own			cold
pink	agree	again	cord
pocket	anyone	ahead	covering
pole	Aug.	another	cross
recover	aunt	belonging	drum
sink	baking	blood	eye
spelling	became	boss	everyone
start	blame	bother	fair
stone	bought	cane	find
than	boxes	cleaner	floor
too	buy	clothing	follow
true	charge	contest	granted
Tuesday	Christmas	dearest	herewith
warm	died	death	light
washed	done	display	I'm
won't	football	doctor	inches
yearly	given	dresser	income
	grandma	evening	learnt
85%	grant	fifty	less
April	gray	fight	listed
behind	hardly	ford	liver
cared	hearing	hair	load
carpet	heating	harder	maid
cash	held	having	mailed
cooking	hit	homesick	mean
cost	kinder	inclose	map
counting	making	later	mane
dearly	might	lone	part
draft	moved	noted	pain
every	paint	patch	part
farming	pass	post card	plum
father	passing	renter	parted
finger	person	rose	reached
forest	picking	shot	recovered
glove	rate	sin	shape
great	remark	soon	shift
grove	right	sum	ship
half	safte	swell	shy
harvest	sit	these	short
hole	soil	thick	tie
kitten	sold	thought	toe
lump	sometime	travel	took
please	sort	weather	toasted
printed			

wear	list	saver	75%
young	lumber	sixth	bit
79%	marking	something	blew
asleep	matter	thereafter	branch
begin	nation	thousand	chart
behalf	nearly	tiny	chop
cleaning	neat	try	closer
darling	officer	which	crib
deed	otherwise	whole	does
feeding	overlooked	worth	dollar
fence	pound		drug
fit	printer	STEP 10—73%	everybody
former	proper	76%	glasses
garment	roof	afterward	heard
goat	sample	amount	holder
ha	sending	beg	I'll
handed	seventh	bench	intend
handle	shade	bite	keeping
invited	silver	calf	kindest
its	size	clever	liberty
jump	somewhere	depend	lovely
leather	speed	dream	merry
mend	spending	drew	mighty
pack	spoke	enough	month
queen	stock	flour	Mrs.
raining	sure	forth	need
rank	Thursday	fresh	newspaper
riding	trade	gallon	office
self	twice	grew	pair
shut	welcome	happen	picture
simple	wrote	hurt	pillow
skate		idea	proud
soap	brick	jar	provide
storm	brush	killed	rack
stranger	carry	met	rented
teeth	check	nose	rip
thankful	closed	painted	rolling
use	colt	pools	rubber
walked	damp	press	scout
wire	Dec.	pride	seem
78%	file	program	seventy
across	friend	prove	shortly
beat	garden	renting	smaller
belt	goose	sash	soft
burn	grain	selling	steel
called	himself	Sept.	stunt
cheer	labor	September	team
cloth	lace	steam	treat
club	leader	their	74%
coming	member	ticket	act
company	miss	tire	ans.
dozen	only	unable	anyway
fail	pencil	understanding	bottle
grandfather	posted	wedding	chance
hundred	printing	wise	chicken
largest	ready	wishes	cotton
lift	rug	woven	fact

farther	inspect	bushel	meeting
field	iron	cast	named
folder	likewise	center	noise
gladly	payment	discount	oblige
guess	peace	during	plain
heavy	pleased	eighty	raised
herself	remain	elect	ranch
joke	returned	fee	reason
kisses	scrap	feeling	repair
leaves	seal	folk	rushed
match	spend	froze	talked
mostly	study	funny	trained
news	temple	gain	won
November	vote	hate	wrong
ocean	wanting	household	Xmas
oldest	whereby	lame	
ordering		latter	STEP 11—66%
phone	acting	least	
post office	agent	living	69%
quart	anywhere	loaded	afraid
rabbit	army	mailing	among
reached	classes	moment	Ave.
rule	cleaned	moving	badly
shame	content	ought	began
sis	dare	packed	brain
sock	deliver	partly	candle
somewhat	drill	pending	cloudy
tend	fear	prevent	court
those	getting	pull	dated
tile	gift	render	drilling
together	gown	return	family
trace	improve	rough	finish
track	indeed	saving	fourth
twelve	kindness	sickness	French
uncle	maple	slide	geo
understand	o'clock	stated	grind
voter	odd	tested	handling
west	planted	thirty	higher
witch	postage	trusting	hoped
	protest	visit	kitchen
73%	providing	wished	leaf
almost	pump		mistake
anything	roll	70%	neater
awhile	seemed	anyhow	nicely
building	shed	bog	nor
coffee	sore	booklet	orange
county	thread	coast	past
dread	ton	copy	perfect
dressed	township	corner	range
easy	turn	depending	sale
enter	wage	enclose	settle
everything		filled	sewing
failed	71%	flesh	stamp
front	answer	formed	strongly
fruit	ashamed	itself	suit
grown	bid	junk	title
heap	branches	learn	withdrew
inclosed	build	main	

writer	joined	65%	message
zone	lighting		mountain
68%	locate		phoned
broad	lung		picnic
broken	meantime		played
busy	mind		prize
cause	needle		raising
demand	nurse		shipping
enjoyed	obliged		shoulder
filling	payable		shown
forward	plenty		strike
globe	pretty		treated
greater	slipper		until
greeting	third		valued
growing	through		weekly
health	turkey		writing
hers	value		zero
kept	western	63%	auto
knew	wonderful		await
knowing			checking
known			delighted
laugh	afloat		edge
letting	all right		excuse
perhaps	beaten		feeder
placing	chain		figure
poorly	chose		finest
powder	coy		fitting
raw	dispose		handsome
respond	enjoy		hare
Saturday	faney		helped
says	favor		ivory
since	fifteen		mister
stating	frankly		monthly
strongest	gas		opened
waist	history		pearl
women	joyful		penny
worm	lie		reaches
67%	liked		regard
already	lucky		sitting
August	membership		steady
beef	nerve		waiting
bottom	opening	64%	youth
changed	owned		STEP 12—58%
changing	packing		62%
cottage	power		birth
dealing	proved		breaking
dice	provided		chill
expert	remind		chum
express	spread		contract
few	stair		cooler
haven't	that's		cough
helpful	throw		cousin
hereafter	vacation		Dr.
housekeeping	voice		enclosed
including	waited		
invite	you'll		

The Iowa Spelling Scales

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explain	ease	58%	profit
fifth	improved		public
fitted	intended		shock
forwarding	invoice		surprised
greatest	listen		taxes
hardware	lonesome		turned
herein	loss		waste
knot	mamma		watching
level	mass		56%
manage	measure		actor
painting	middle		although
quickly	nature		baking
reaching	offering		boiler
refuse	owe		buying
rod	rapid		cheaper
score	recovered		confined
station	repeat		continued
stuff	retain		daily
thereof	scare		dancing
to-morrow	setting		dealer
wait	settlement		feel
workmanship	sew		figured
61%	skating		foolish
blessed	tread		furnish
charming	tried		German
cheerful	anybody	59%	happened
clearly	appear		I'd
dairy	capital		improving
dirty	caught		instead
disposed	covered		movement
duty	crowd		package
extend	daughter		quarter
friendly	exchange		refund
insist	fixed	57%	regarding
located	following		reported
loud	force		saddle
lower	forwarded		sign
piano	headquarter		slept
reply	hence		tired
sheet	limb		useful
showed	loving		Wednesday
stamped	manner		whom
subject	namely		
though	pattern		amounting
Tues.	pavement		atmosphered
visited	per cent		backed
worse	performed		bonification
60%	placed		buoyant
adjust	proven		calculated
advise	quit		clamorous
awaiting	quite		complaint
Bro.	record		definite
built	request		decline
checked	requesting		desecrated
color	respect		deserving
comply	woman		detained
direct			

fairly	dodge	enrolled	forenoon
gotten	fund	excited	garage
grip	future	film	gentleman
industry	germ	fullest	greatly
isn't	holiday	graze	lbs.
lecture	insert	investment	loose
neglect	ninth	length	notion
nevertheless	presented	maintain	potatoes
notice	primary	outlined	promised
plainly	proof	Prof.	queer
pleasure	ribbon	property	quoted
production	scale	rainy	shopping
properly	struck	remained	silence
regret	supply	remembering	sorrow
require	suppose	renewed	surprise
suitable	wearing	server	throughout
surface	wouldn't	weigh	trial
worst	yoke	worry	upper
52%		written	
STEP 13—50%		50%	
54%		48%	
aid	abstract	awful	adjustment
aim	advance	careful	animal
barrel	ample	clerk	avenue
begun	chief	closely	aware
correct	debating	conduct	break
directed	else	entertaining	calm
except	entering	entry	central
flavor	fuel	factory	concluded
friendship	furnishing	February	degree
gaining	headache	loyal	deportment
gravy	hello	minute	dreadful
include	item	northern	either
intention	likely	noticed	fern
loan	machine	pupil	filng
obtained	maybe	rapidly	gasoline
owing	model	served	hereby
permit	oversight	sleet	judge
raise	passed	standard	lately
second	perfectly	statement	niece
seller	postal	truly	parcel
spare	requested	using	prospect
tight	secure	wondering	putting
watched	seldom	49%	
winner	stayed	advice	recently
yourselves	studies	alley	recess
53%		ankle	recite
adopted	submit	biggest	returning
bigger	therefore	burden	settled
bowl	treatment	butcher	skirt
buyer	trouble	captain	smooth
continue	unpaid	consist	splendid
creep	51%		stories
cutting	action	containing	taste
desire	attend	delivery	topic
	balance	election	traveling
	beauty	example	visiting
	coach	expressed	
	daddy		

47%	we've whose aren't cabinet cherries due fare lodge patent pleasant quiet strict touch toward uniform whether	ere explaining forced furnace instant jobber jury mentioned normal pardon parent popular rendered reputation term utmost	losing manufacture minister missed object parties piece preparing publisher reduced refreshment relation represent result title scare situation worrying
	STEP 14—42%		
45%	against artist companion considering couple exciting fault figuring lining prompt question studied weight	allow circus complete convention duties English expected fashion gentlemen grocery included final information laid location recent shipped slightly sweater view violin	42%
46%	account acted active addresses attending bass bluff booster button climate clothe credit enclosing entered entertainment forty hasn't honor increasing mention pertaining progress promotion refused regulation relationship rye satisfied service several sire student studying text tickled towel weighed we'll	automobile booth carefully carrying conversation destroyed final growth handkerchief honestly human independent modern neighborhood prepaid problem replying required ruin serving shipper soldier union	40%
	44%		
	41%	addressed apply blooming condition contemplated dependent different dream dwelling elected entertain extended famous favorable ideal important interested length	realize reduce remember running strange true truth believe condition easier entertain extend famous ideal important interested length
	43%		

The Iowa Spelling Scales

group	hurried	respectfully	arrived
haste	inclined	strawberries	braid
installed	interest	34%	district
ironing	priced	appeal	exam.
machinery	produced	awfully	general
manager	quote	capable	geography
operated	register	certain	increase
product	republican	cities	largely
promise	talent	college	opera
protected	telephone	consider	opinion
remit	tract	continued	positive
reserve	transit	convinced	published
success		deserved	satisfactory
supplied	advantage	foundation	signed
you'd	adventure	instruct	style
	advising	instructed	succeeded
38%		mere	themselves
advanced	avoid	moral	valuable
alfalfa	calves	neglected	31%
bargain	cellar	neighbor	accomplish
billed	considered	prevail	advertising
cement	couldn't	procured	attain
cigar	courage	reduction	believing
confident	data	reliable	calendar
convince	easily	section	combination
curtain	entitle	separate	constantly
describe	formerly	source	corrected
didn't	furnished		dangerous
employed	increased	33%	disgusted
firm	international	bracelet	followed
forgotten	Latin	channel	graduation
limit	limited	composition	hauled
lovingly	management	congratulate	heir
manual	owner	customer	liberal
method	prepared	democrat	million
really	receive	education	misunderstanding
resulting	select	enroll	neither
simply	supposed	entire	ninety
slippery	transfer	favored	operation
	treasurer	happiness	organized
STEP 15—34%		importance	ourselves
	35%	improvement	personal
	37%	library	raiser
ache	attach	period	regardless
acre	attached	realizing	regular
argument	crowded	search	remedy
attention	decided	secured	selected
choice	doubt	securing	stomach
current	expecting	slight	straight
cute	factories	tatting	vacant
decide	fierce	total	
deserve	guest	vision	
discontinued	hadn't		
doesn't	madam		
domestic	position	32%	STEP 16—27%
exact	prayer	adjusted	
exactly	private	advertise	30%
feature	represented	applied	according
	resident	arranged	advancement
			advised

appointed	28%	deposit	resigned
appointment		engineering	salesman
attended		freight	secretary
automatic		good-bye	series
banquet		graduating	suggest
cartoon		issued	tanning
connected		notify	X-ray
connecting		obligation	
copies		personality	
corporation		prefer	
credited		quality	
directly		reasonable	
excess		relative	
exercise		remembered	
favorite		rural	
federal		sense	
funeral		stationary	
inspector		stopped	
inst.		supplies	
moderate			25%
nickel		advertisement	
particular		author	
patron		canned	
proceed		confer	
publication		disposal	
reference		doubtless	
reservation		effect	
route		evidently	
suggested		influence	
theater		inquiry	
wasn't		junior	
	27%	liable	
accordingly		meant	
affair		musical	
altogether		organize	
ambition		permanent	
amendment		purchase	
benefit		reception	
cashier		selection	
collect		semester	
concern		serious	
connect		society	
course		strictly	
etc.		volume	
examined			24%
expression		assist	
ghost		ballot	
humor		employer	
instance		examine	
internal		existing	
justified		genetics	
literary		heretofore	
medicine		imagine	
planning		impossible	
refer		justify	
system		national	
wholesale		process	
	26%		
attraction			
barely			
cedar			
con-			
concerning			
concert			
confirming			

genuine	supervision	planned	15%
hustling	surplus	probably	agency
inquires	type	relieve	allotment
installment	19%	representative	announcement
insurance	appearance	responsible	assignment
investigate	application	universal	assistance
involved	arrangement	17%	assuring
satisfaction	attempt	administrator	attorney
timothy	choosing	conclusion	electricity
21%	circulation	congratulation	encourage
actual	citizen	description	exceptional
admission	considerably	disappoint	extreme
assured	correspond	estimated	familiar
celebrate	crochet	excellent	generally
construction	difficult	government	geometry
decrease	distribution	inconvenience	grippe
discourage	equally	indicate	instructor
establish	excitement	inducement	instrument
established	expensive	librarian	literature
hastily	federation	notified	notary
investigation	numerous	operating	ordinary
mental	preliminary	presence	possess
merchandise	quantity	proposition	practical
patient	relieved	prosperous	previous
policy	straightened	readily	profitable
practice	subscriber	received	referring
qualities	sympathy	regretting	special
reliability	urge	terrible	surgery
renewal		weren't	usual
sanitary			14%
signature			absolutely
variety			additional
20%			auditor
allowed	ability	assortment	blizzard
assistant	accident	assure	completely
basis	agriculture	attractive	consultation
brief	algebra	available	expense
carnival	announce	capacity	foreign
commerce	assembly	circular	fundamental
confidence	assessment	crocheting	gradually
cushion	attendance	electrical	honorable
destination	authorized	entitled	mortgage
elsewhere	certainly	epidemic	occasion
examiner	consequence	evidence	quantities
identify	conservatory	exclusively	thesis
instruction	considerable	fashionable	sincere
introduction	convenient	grammar	
judgment	council	individual	STEP 19—12%
legislation	decision	invitation	
magazine	development	merely	13%
natural	examination	rec'd	applicant
politics	girlie	remembrance	association
preparation	inferior	remittance	assume
receipt	institution	successful	canvass
regularly	introduced	supervisor	communication
superior	knowledge	territory	constitution
	meter	welfare	co-operative

SECTION XII
THE IOWA SPELLING SCALE
GRADE V

GRADE V

STEP 1—100%			
all	corn	thank	park
and	could	that	saw
at	dear	thing	saying
baby	did	think	school
book	dinner	top	show
but	door	under	silk
come	dress	was	so
day	each	way	south
good	every	winter	spend
got	fast	work	spring
hand	fish		store
have	five		taken
he	game		ten
her	go		the
his	going		them
how	happy		then
is	hard		train
it	home		walking
let	hunt		wall
lot	in		why
may	July		would
old	kind		yet
read	lake		yourself
run	land		
say	last		
see	letter		
this	like		
three	little		
up	long		
we	look		
what	love		
will	make		
wish	man		
with	May		
wood	Monday		
year	mother		
your	must		
	my		
	not		
	Nov.		
	on		
age	out		
are	over		
ball	place		
barn	play		
be	rich		
big	said		
boy	seven		
by	she		
call	ship		
came	snow		
can	state		
card	tell		
STEP 2—99%		STEP 3—98%	
age	out	add	about
are	over	am	after
ball	place	away	ago
barn	play	bank	along
be	rich	bell	apple
big	said	bill	asking
boy	seven	box	back
by	she	bring	bed
call	ship	cake	bee
came	snow	calling	blow
can	state	car	brother
card	tell	care	butter
		cash	city
		clear	class
		dark	clean
		do	count
		dog	cow
		east	cut
		feet	dance
		food	date
		foot	down
		from	earth
		gate	end
		gold	fall
		had	farm
		hay	fat
		head	
		help	
		however	
		ice	
		if	
		inside	
		into	
		just	
		day	
		men	
		much	
		nine	
		oil	
		one	
			97%
			STEP 4—96%

fell	time	half	working
fire	to-day	hall	yard
free	to-night	heat	
gave	two	hen	
get	us	hill	STEP 5—94%
give	very	hold	95%
grade	walk	inch	added
has	wash	joy	afternoon
hat	well	king	art
hot	whatever	large	asked
ill	where	late	backing
ink	white	lost	banking
June	who	mail	bay
kindly	within	market	bean
left	world	mean	below
light	you	mill	beside
live		move	black
longer	adding	note	blank
looking	an	number	boat
made	as	our	brick
milk	bad	pine	cannot
more	became	point	change
most	best	poor	coal
Mr.	better	print	cream
night	bird	rain	cup
north	block	reader	dead
nut	blue	reading	Dec.
off	bright	real	eat
once	cap	road	Feb.
outside	case	same	felt
page	cat	sell	filling
papa	cent	short	finding
pay	chair	side	Friday
pig	children	sister	frost
put	coat	spell	girl
red	cold	spelling	glass
rent	cook	standing	grass
river	cover	stone	ground
rush	covering	summer	grove
sand	dad	Sunday	handy
seen	delay	table	him
send	doing	thanking	hog
sheep	dust	there	hour
should	early	till	house
sick	ever	toy	hunting
six	face	tree	Jan.
some	farming	used	kid
stand	faster	want	landing
stay	fellow	war	law
such	fill	washing	lived
sun	for	water	low
sweet	found	went	mad
take	fun	west	Mabel
tent	glad	wheat	meat
they	goldfish	when	morning
thinking	grand	wide	noon
	green	window	ocean

name	cross	slow	list
near	darling	son	liver
net	deep	song	lives
never	died	soon	load
nice	don't	sport	loved
of	drive	stamp	luck
oldest	even	stated	mark
paper	eye	stick	master
part	far	stop	mate
pen	fight	swell	money
picture	first	teaching	mouth
playing	fishing	teeth	new
price	fit	ticket	noon
ready	forget	trip	nothing
rest	glove	upon	oats
rice	gone	wake	oh
ride	great	warm	painted
rock	keep	wife	pass
Sat.	kiss	willing	post
sent	lady	worked	postage
shoe	larger	yellow	press
singing	leader	yes	quick
sink	leave		rule
sleep	leg		sack
sound	life		saved
start	longest		seed
storm	looked	act	seeing
stove	ma	alone	sending
teacher	meal	any	set
telling	mine	anyone	seventy
thin	no	aside	silver
took	now	bake	sir
unable	Oet.	become	sit
were	older	belt	small
wind	open	board	soft
wise	or	body	soil
without	overcoat	boxes	spending
worker	party	camp	spent
94%		can't	stage
able	pick	child	started
above	pie	colder	staying
ahead	pin	cool	still
air	proper	crop	stood
also	rail	done	sugar
arm	reach	eight	supper
around	remove	father	teach
ask	report	flat	test
banker	room	fort	town
bat	rose	four	walked
bear	round	goat	week
because	rust	hair	whenever
behind	sad	handed	while
belong	safe	handle	yearly
contest	sat	hear	zone
cost	shall	himself	
country	sin	inches	
	slip	lesson	
			92%
			another
			April

The Iowa Spelling Scales

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army	sold	paint	flower
ate	spot	pump	garden
basket	talking	queen	gate
birthday	these	rubber	glasses
cattle	told	snowed	growing
check	trust	soap	hung
cleaning	twenty	something	ladder
clock	western	sorry	harvest
close		91%	here
December		91%	hit
die	alive	sum	holding
drop	aunt	sunshine	income
easily	band	taking	itself
egg	beat	talk	kindness
fence	been	tenth	kitten
fine	being	than	know
forgot	branch	tip	lace
form	bringing	tire	listed
fur	buy	ton	lump
grant	cane	trunk	making
heating	charge	try	nation
helping	chart	Tuesday	nearly
job	church	unless	neck
jump	clay	wanted	now
kill	coffee	wanting	noted
kinder	danger	washed	November
lumber	deal	welcome	office
next	deed	wheel	oars
only	depend	win	outfit
other	dream	wire	person
pack	enough	wishing	pure
packing	feed	wonder	range
paying	fifty	write	rank
people	friend		ratio
picking	given		remainder
pillow	ha		remain
pink	hardly		remained
planted	heavy		remains
plate	high		return
please	hole		return
plow	homesick		return
pocket	horse		shame
pound	January		shape
pride	keeping		sort
printed	lame		stare
railroad	largest		station
recall	lunch		team
renter	mailed		tear
seat	matter		tease
self	meet		thinner
September	mostly		thirsty
shipment	moved		thru
shop	music		trained
sickness	nobody		thrill
smart	order		thrills
snowing	oven		weak
	own		well

STEP 7 - 88%

90%

Aug.

blood	both	bring	shape
both	brought	bush	sort
brought	brush	bunch	stare
bush	bunch	burn	station
bunch	burn	called	team
burn	catch	chum	tear
called	chum	classes	tease
chum	club	clerk	thinner
classes	club	content	thirsty
clerk	content	county	thru
content	county	dearest	trained
county	dearest	dresser	thrill
dearest	dresser	farmer	thrills
dresser	farmer	fear	weak
farmer	fear	file	well

wool	protest	lift	finger
word	pull	lovely	ford
worth	race	membership	forgive
yesterday	rained	met	frame
	render	newspaper	goose
89%	roof	nose	grandma
acting	row	October	grew
booklet	settle	passing	hearing
born	shortly	per	herself
bottle	shut	plan	inasmuch
bought	sixty	raw	learned
brain	size	right	learning
brand	speaker	ring	leaving
cared	stranger	sale	Miss
carry	street	saving	miss
center	strongest	selling	month
chop	suit	Sept.	noise
closed	sure	skate	orange
coast	temple	snap	otherwise
cooking	thick	spoke	pleased
dated	travel	starting	posted
discount	trying	step	prevent
display	understand	stunt	printer
dollar	watch	team	quart
dozen	weak	thankful	raised
drug	woven	thought	removed
drum	young	tie	respect
duty		township	roll
everything		track	seventh
express	agree	turkey	share
fact	bet	uncle	shot
fail	blame	understanding	sight
few	cheer	united	someone
filled	Christmas	vote	somewhere
gather	closer	wrote	stock
getting	cord		tend
happen	counting		tile
hate	enter		title
hurry	evening		trace
invite	everyone		treat
leaves	fair		trusting
less	finish		
maid	follow		STEP 8—84%
mailing	football		
maker	force	Bible	86%
many	forest	boss	almost
might	former	bother	amount
news	front	build	answer
painter	funny	calf	anything
partly	garment	charming	begin
patch	grain	chicken	behalf
peach	gray	cloth	bid
phone	grown	coin	bite
plenty	holder	crib	cleaner
pole	hoped	dandy	coasting
post card	I'm	family	cotton
printing	indeed	feeling	death

deliver	court	clothing	83%
demand	damp	cloudy	active
doctor	dare	company	address
draft	dearly	dispose	ans.
eve	depending	does	badly
exchange	dressed	enjoy	beet
failed	drew	fancy	beg
figure	drill	feeding	bit
finished	edge	folder	broken
gown	greatest	forth	bugs
grandfather	grind	frankly	builder
hardware	heap	fresh	candle
held	honest	glee	changed
history	household	having	clever
improve	inform	heard	colt
knew	invited	higher	conduct
learn	island	hundred	copy
making	killed	I'll	drilling
match	kisses	improved	eighteen
moving	labor	inclosed	excuse
named	leather	iron	extent
need	locate	joke	field
pain	lower	least	formed
peace	nature	loaded	gladly
pending	overlooked	lone	hereafter
poorly	pa	lonesome	hotel
power	painting	loud	inclose
rack	pair	lung	lighting
raining	plum	meantime	located
reaching	porch	member	lucky
renew	present	merry	maple
renting	reported	mighty	meeting
rug	riding	monthly	middle
sample	rolling	nap	northern
scout	Saturday	nicely	offering
sock	seem	produce	packed
tested	sometime	proud	payment
thereof	third	provide	pearl
thread	thousand	raise	plain
too	Thursday	record	prize
twice	treated	repair	ranch
value	turn	request	respoed
velvet	waited	rod	returned
wear	whole	shade	rough
won	wishes	sheet	scale
	withdraw	showed	second
85%		84%	
absent	afraid	simplo	single
anywhere	August	since	sixth
belonging	auto	smaller	slipper
building	battle	somewhat	sooner
carpet	bench	stair	thoey
east	between	strongly	to
cause	branches	taxes	treatment
caused	brown	their	vacation
chance	bushel	tried	visit
contain	chill	weather	witch
cottage		wished	won't

writing	twelve	setting	charged
youth	understood	spread	climate
zero	voter	square	comfort
82%	waiting	steel	comply
action	weary	subject	cousin
afterward	wedding	talked	dealer
already	whereby	tread	dealing
among	women	valley	deeply
boiler	wonderful	voice	deserve
broad	yoke	waist	dose
broke		which	expert
cleaned		worm	extend
cure	STEP 9—79%		feeder
decline	81%		fifth
delighted	advance	afloat	foolish
eighty	anyhow	anyway	frozen
elect	blew	artist	germ
everybody	button	breakfast	guess
flesh	buyer	bridge	homestead
floor	caught	cheap	informed
froze	central	corner	judge
fruit	chain	cutting	listen
gaining	clearly	delivered	main
globe	damage	directed	moment
granted	daughter	English	obtained
herewith	degree	fixed	penny
instead	enclosed	greater	postal
joyful	find	greatly	power
kindest	finest	health	product
lamb	flour	hers	public
leaf	folk	hurt	reached
liberty	fuel	junk	reason
lie	gallon	likewise	recovered
living	greeting	mass	remind
mountain	haven't	mend	season
Mrs.	helped	needed	serve
neat	hence	needle	speed
obtain	later	nevertheless	stamped
ocean	laugh	notice	student
officer	mind	o'clock	suitable
pencil	mister	ordering	throw
pretty	nearer	pools	trouble
program	nor	post office	turned
prove	opening	potatoes	union
proved	outlined	raising	upper
provided	payable	repeat	valued
question	phoned	sew	visited
requested	played	shed	wait
rip	prevented	strike	whom
rushed	production	studies	wrong
scare	quickly	though	
several	reduce	trade	
stuff	refuse		78%
throat	retail	79%	answering
through	seal	amounting	beef
tiny	seemed	before	chapter
		bottom	crazy
		carried	daily

The Iowa Spelling Scales

85

dancing	herein	movement	77%
dread	insist	perfect	aere
election	intend	permit	actor
factory	joined	plainly	anybody
farther	lbs.	primary	attend
fix	now	reaches	baked
fourth	nerve	scrap	barrel
fully	nurse	sis	beauty
gas	odd	training	beyond
German	opened	truly	buying
grit	ought	until	captain
handling	past	watching	color
idea	placed		cov
inspect	pleasure		enclosing
isn't	proven	although	except
jar	rabbit	animal	explained
kitchen	require	appear	further
knowing	tax	ashamed	gee
language	weekly	Ave.	handled
latest	weigh	beaten	highest
latter	weight	begun	improving
liked	woman	birth	inviting
message	Xmas.	changing	ivory
package		checking	known
perhaps		coach	length
reply		creep	local
returning		ease	measure
sash		abstract	million
score		answered	misses
skating		bigger	needing
slide		built	owner
steady		bulk	picnic
that's		capital	profit
tired		cheaper	rapid
visiting		checked	recite
we'll		clerk	relation
worse		cough	relationship
		dairy	section
77%		detail	seeve
acted		dodge	silence
blessed		eager	start
busy		else	soldier
cheerful		figured	soe
coming		freeze	stopper
contract		furnish	thought
couple		grip	throughout
direct		headache	to-morrow
eleventh		housekeeping	toped
enclose		intended	umpul
excited		join	.
explain		kept	.
extra		lecture	agreed
fashion		loving	await
favor		machine	envy
gain		married	enjy
habit		mistake	collit
handsome			conning

covered	holiday	rainy	couldn't
deportment	hospital	remember	delivery
disposed	inclosing	says	director
dreadful	include	serving	district
during	intention	sleet	doubt
enjoyed	invoice	suffering	Dr.
expected	ladies	Tues.	example
famous	namely	winner	expressed
French	owe	workmanship	fitted
furnished	parties	70%	fortune
gasoline	per cent	admit	forwarding
hare	promised	advice	geography
healthy	putting	awaiting	grocery
including	quit	blooming	headquarter
investment	recess	bluff	important
letting	reduction	booth	improvement
lodge	regard	buggy	insert
lonely	reserve	butcher	I've
oblige	sewing	delightful	lowest
perfectly	shipping	desire	manner
piano	shoulder	earnest	minute
property	stayed	explaining	normal
prospect	supply	fullest	obliged
quarter	uniform	furnace	quite
regulation	wage	graze	recently
saddle	71%	happened	refreshment
saver	addresses	loss	refused
settlement	advise	model	sign
shock	alley	neglect	sitting
submit	barley	nineteen	surface
Thanksgiving	began	parent	topic
traveling	break	placing	waste
voting	carrier	presented	watched
72%	cities	problem	worry
apply	containing	progress	yourselves
baking	continue	quoted	68%
base	delayed	reduced	
bog	desired	rye	adjust
careful	dice	scarce	advising
cigar	dirty	seller	ample
correct	fitting	served	aware
crowd	foundation	server	believe
curtain	furnishing	spare	chose
devoted	gentleman	sweater	common
discovered	handkerchief	Wednesday	condition
dwelling	hoping	we've	consist
earning	human	wouldn't	contained
elected	husband	you'll	credit
enjoying	illness	STEP 11—66%	employed
entering	increasing		fairly
feel	knot	69%	forenoon
fever	likely		forgotten
fifteen	limb	according	friendship
film	loyal	aid	fund
flavor	owned	balance	hurried
forward	pavement	calm	I'd
	pupil	cement	inquire

jury	rapidly	produced	followed
location	remembering	required	guide
performed	renewed	shipper	independent
prepaid	seldom	smooth	lately
properly	suppose	surprise	lining
requesting	utmost	taste	management
result	written	therefore	moral
settled		65%	toward
shown	ache		tract
stories	aim		using
struck	attention		worthy
success	closely	63%	
wasn't	convention		addition
	current		against
67%	debating		ankle
adjustment	due		complaint
boarding	education		constant
circus	entirely		depot
companion	entry		didn't
dangerous	fare		direction
fault	hadn't		directly
fern	instruction		entered
figuring	item		entertainment
forwarded	loan		exciting
included	neglected		following
information	pattern		general
ironing	preparing		gentlemen
method	prompt		gotten
promise	promptly		group
recent	running		hasn't
regret	search		hello
remained	select		honor
simply	text		interest
standard	tickled		period
wondering	tight		prayer
	wearing	66%	replying
66%	weighed		separate
account	allow		struggle
addressed	arrive		tanning
attending	avenue		violin
breaking	average		
burden	bowl		STEP 12 - 58%
colored	cherries	64%	
debate	chief		ability
dependent	collect		advanced
expecting	crippled		avoid
February	domestic		blackberries
ideal	entitle		carefully
industry	fee		creamery
maybe	hereby		daddily
modern	interested		describe
neighbor	minister		duties
noticed	offered		entertain
passed	ourselves		entire
pertaining	prepare		favorable
private			
protected			
queer			

The Iowa Spelling Scales

STEP 13—50%				
54%			affair	
ghost	capable	assure	awful	
gravy	clothe	cedar	considered	
inspector	connecting	choose	corrected	
instant	contrary	considering	correction	
interesting	control	convince	credited	
limit	correctly	courage	doesn't	
lose	doubtless	crew	effect	
madam	either	enroll	generous	
mamma	enrolled	exact	hesitate	
national	entertaining	expired	internal	
published	favored	freight	library	
reputation	forced	furniture	liquid	
shopping	garage	graduating	losing	
sire	growth	guest	neighborhood	
slightly	honestly	impossible	neither	
studied	loose	instructed	particular	
vision	lovingly	junior	possible	
59%			purpose	
alfalfa	machinery	manufacturing	receive	
channel	manufacture	operated	refund	
connected	mentioned	popular	reliable	
contemplated	misunderstanding	purchase	represented	
decided	patent	refer	requirement	
destroyed	pleasant	selection	resident	
different	prepared	slight	resulting	
excess	priced	studying	route	
feature	register	supplies	salesman	
firm	represent	vacant	selected	
funeral	telephone	worried	55%	
laid	theatre	accept	53%	
liberal	volume	advancement	advertised	
maintain	57%			
mention	adjusted	advertise	article	
natural	author	agreeable	assist	
notify	billed	attended	automatic	
operation	cellar	bass	carrying	
pardon	confer	collecting	concerning	
position	division	commence	consideration	
presume	drama	concert	course	
procured	federal	constantly	humor	
remembered	filings	effort	increase	
republican	installed	failure	jobber	
ruin	manager	female	largely	
satisfied	nephew	inclined	nickel	
service	pastor	instruct	patient	
style	president	liable	Prof.	
supplied	prevail	limited	quotation	
usual	publication	missed	reference	
whether	secured	publisher	serious	
58%			stomach	
appeal	signed	rendered	straight	
appeared	transfer	series	support	
aren't	transportation	shipped	supposed	
braid	56%			
cabinet	appointed	special	worrying	
	arrange	transit		
		treasurer		
		valuable		

	hauled	beginning	label
52%	justified	booster	notified
actual	manual	fierce	quote
cashier	nicce	hustling	securing
catalogue	really	investigation	themselves
certain	satisfaction	Latin	44%
crowded	situation	moderate	arriving
discourage	stationary	personality	attraction
disgusted		prefer	circulation
earliest	49%	rural	conference
exactly	arrival	strictly	customer
exam.	benefit	tatting	elsewhere
federation	certainly		fortunate
formerly	coarse	46%	frequently
graduation	confident	advertising	honorable
increased	convinced	all right	meant
introduction	enrollment	attach	mere
medicine	exception	banquet	obligation
operating	favorite	compelled	policy
opinion	instance	cushion	purchased
personal	involved	data	reception
practice	literary	decrease	reservation
reasonable	occupied	difficulty	suggest
regardless	opera	envelope	44%
slippery	organized	establish	accident
telegram	positive	expensive	brief
51%	remedy	fashionable	celebrate
absence	satisfactory	happiness	citizen
adopted	splendid	nervous	combination
bracelet	succeed	ninety	established
calendar	system	process	glorious
college	vary	relative	grammar
confidence	48%	sanitary	influence
connect	applied	society	issue
copies	attempt	source	planned
desiring	believing	succeeded	practical
discontinued	circular	talent	profitable
durable	composition	terrible	realizing
employer	connection	type	relieved
encourage	considerable		timely
expression	democrat	STEP 14 42%	unusual
imagine	democratic		44%
realize	good-bye	absolute	antic
safety	haste	altogether	available
spirit	importance	amendment	connect
strawberries	numerous	approved	collection
subscriber	patron	assured	commodore
weren't	raiser	cartoon	dominating
50%	respectfully	choosing	difficult
arrived	responsible	Christian	electrical
bargain	strength	concern	etc.
commerce	wholesale	conclusion	equation
construction		develop	government
deliveries	47%	equally	gratitude
easily	accomplish	exercise	insufficient
extensive	announce	inducement	
graduate	attached		

introduced	disease	supervision	resource
invitation	estimated	welfare	supervisor
justify	examined	35%	31%
knowledge	impression	appreciate	absolutely
mental	received	assurance	accordingly
previous	representation	ballot	assistance
qualities	social	basis	auditor
receiving	submitted	distribution	commercial
regularly	superintendent	engineering	council
resigned		heir	existing
salary	38%	prosperous	foreign
stopped	barely	quantity	magazine
university	considerably	34%	politics
	design	assistant	various
41%	equipment	fabrie	vicinity
allowed	expense	illustration	STEP 16—27%
companies	experience	installment	30%
explanation	instrument	merit	administration
grateful	material	rec'd	advisable
indicate	registered	reliability	allotment
instructor	renewal	variety	announcement
insurance	Sabbath		circumstances
international	semester	33%	crocheting
profession	signature	activity	demonstration
sincere	subscription	based	exceptional
40%	superior	canvass	executed
anxious	urge	conservatory	illustrated
assortment		co-operative	inquiry
awfully		crochet	journal
blizzard		demonstrated	organization
business	37%	electricity	principal
candidate	application	excitement	principle
congratulation	authorized	hastily	remembrance
contemplating	coupon	literature	similar
etc.	description	meter	29%
generally	development	notary	acquire
identify	disagreeable	presence	actually
investigate	disposal	prior	assuring
legal	engineer	registration	athletics
possibly	entitled	secretary	enormous
readily	error	sympathy	fundamental
relieve	majority		girlie
satisfy	merchandise	32%	institute
sense	proposition	attendance	naturally
suggested	successful	client	possess
surplus		compliment	response
territory	36%	consequently	straightened
39%	advertisement	consultation	thesis
agriculture	agency	duplicate	unusual
ambition	arranged	employee	28%
appointment	confirm	examination	acquainted
assembly	disappoint	inst.	arrangement
attractive	evidence	issued	assignment
choir	favorably	ordinary	completely
confirming	genuine	planning	convenient
co-operating	merely	practicing	
corporation	organize	preliminary	

co-operation	confirmation	mortgage	analysis
examiner	cordially	occasion	appreciated
excellent	decision	physical	enthusiasm
extreme	disappointment	solicit	immediate
finally	epidemic	19%	possessions
gradually	exhibit	accompanying	tuberculosis
orchestra	familiar	bonus	S. 10—12
particularly	geometry	campaign	13 ^c
permanent	illustrating	cordial	accredited
preparation	interfere	correspondent	apparatus
quantities	sincerely	executive	authority
senior		license	thoroughly
substitute		professional	
X-ray		specification	
27%			
additional	acquaintance	STEP 18—16%	annunciate
administrator	annual	18%	associate
admission	annually	appreciating	announces
applicant	association	bureau	peculiarities
civics	essential	convenience	phosphorus
commission	exclusively	exceptionally	11 ^c
consequence	exhausted	extension	affectionately
evidently	grippe	Hallowe'en	ambitious
inquires	maturity	legislation	politician
institution	necessary	necessity	specially
premium	opportunity	pneumonia	
receipt	remittance	17%	anniversary
satisfactorily	representative	accomplished	conveniently
usually	unusually	affidavit	decorated
26%		appreciation	
algebra	assigned	commissioner	
appearance	certificate	community	definite
assume	character	inconvenience	ingredients
correspond	communication	originally	materially
immense	enthusiastic	practically	
judgment	librarian	recommend	chautauqua
official	personally	referred	connoisseur
physician	privilege	scientific	definitely
probably	regretting	unnecessary	zephyr
thorough	science		
25%	surgery	16%	anticipating
attitude	21%	candidacy	
carnival	assessment	capacity	rheumatism
constitution	especially	efficient	soliciting
continuous	extremely	exhibition	
customary	inferior	financial	
disappointed	mechanical	guaranteed	
equipped	prosperity	immediately	
individual	responsibility	leisure	
occasionally		sufficient	
original	20%		
possibility	acceptance	17%	
	accordance	knowledge	
24%	agricultural	anticipate	
alumni	associated	co-operation	
approval	attorney	fraternally	
bulletin	circuit	referring	

SECTION XIII
THE IOWA SPELLING SCALE
GRADE VI

GRADE VI

STEP 1—100%	long	STEP 2—99%	got
age	may	able	grass
and	me	about	green
as	more	add	hard
away	most	all	have
best	must	along	head
big	my	am	help
bill	name	an	hold
book	old	apple	holding
boy	on	are	ice
but	one	at	in
call	out	back	inside
can	over	bad	into
care	place	ball	July
clear	put	bank	land
cover	read	be	last
dear	reader	bell	lay
did	real	better	letter
dog	rest	bird	light
door	run	black	like
dress	said	blank	little
each	same	blow	lot
end	say	box	love
ever	see	butter	made
fast	she	check	make
father	should	child	man
feet	stand	city	May
found	tell	clean	milk
from	thank	coat	Monday
get	that	cold	move
give	the	come	much
go	them	cook	myself
gold	they	corn	never
good	thing	could	not
grand	this	day	nut
happy	train	deal	oil
has	tree	dinner	other
he	under	do	park
helping	walk	doing	pay
his	walked	down	peach
hog	was	eat	play
home	way	even	rain
how	we	face	rich
if	went	farm	ride
is	what	farming	ring
it	when	faster	rock
just	will	fat	rust
lake	wish	fire	saying
large	with	fish	school
larger	working	five	sell
let	year	food	send
live		girl	seven
			ship

The Iowa Spelling Scales

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show	battle	however	sand
singing	because	hunt	saw
small	bee	ill	seed
snow	brand	ink	seeing
so	bring	Jan.	shall
soil	brother	June	sheep
some	bunch	keep	sick
spell	by	kind	sickness
sport	cake	labor	silk
state	came	lady	slow
stay	cannot	late	soon
stone	ear	law	south
table	card	life	spelling
take	case	lived	spend
taken	changed	longer	spot
ten	class	look	spring
test	clock	looking	standing
thanking	close	lost	start
think	contest	loved	stop
three	country	mark	store
till	covering	market	stove
time	cow	master	such
top	cross	meal	summer
understanding	cut	mill	sweet
up	dark	mine	swell
us	date	money	talking
very	Dee.	mother	thinking
wagon	December	nation	to-day
washing	delay	near	ton
well	early	next	trip
west	eight	night	Tuesday
wheat	every	nine	two
while	eye	noon	unless
who	fail	note	used
why	fall	Nov.	wall
wide	fill	of	want
window	foot	off	wanting
without	for	once	week
wood	four	outside	white
work	free	page	wife
worked	Friday	paper	wild
would	game	part	wishing
yet	gave	pick	within
you	going	please	worker
your	grade	point	yard
	had	poor	yellow
	hand	post	yes
STEP 3—98%		print	yourself
after	hat	reach	alone
ago	hay	red	
air	heat	remove	
arm	her	rent	
around	hill	report	
art	him	river	
ask	homesick	room	
bake	hot	rush	
barn	hour	sample	
	house		

Step 4—96

90

above

adding

allow

before

alone	fur	renter	bottle
any	glad	rice	bought
asked	glass	Sat.	boxes
baby	gone	sat	braid
backing	growing	sent	burn
band	half	set	buy
banker	handy	shoe	called
banking	harder	sink	cap
basket	harvest	sister	cash
bat	held	six	cattle
bed	here	size	charge
being	high	sleep	charming
below	holder	snowed	children
beside	horse	soap	clay
birthday	hundred	sound	coast
blue	hunting	space	cool
body	joy	stick	cost
bother	killed	sum	cotton
branch	kindly	sun	dandy
bringing	kindness	talk	depend
building	landing	tank	dressed
bushel	leader	teaching	drive
calling	left	then	dust
cat	looked	thin	earning
cent	low	to-night	enter
chair	luck	took	farmer
change	ma	town	few
Christmas	mad	treat	figure
clothing	mail	try	first
coal	maker	unable	flower
coin	meat	walking	forget
count	morning	wash	fort
counting	Mr.	water	friend
crop	net	whatever	fruit
dance	north	where	garment
danger	number	wind	gate
deep	office	winter	gather
display	only	wire	gift
dollar	our	write	given
done	oven	yearly	glasses
drop	overcoat	96%	
earth	pack	added	grain
east	party	ahead	great
edge	people	alive	ground
far	per	also	hang
feed	picture	another	hate
fell	pig	anyone	himself
fellow	pin	asking	hit
felt	pine	become	inch
fifty	plate	behind	inches
fight	playing	belonging	income
finding	pound	belt	jump
fishing	price	block	kid
forgot	proper	blood	kinder
form	rail	board	king
fun	reading	boat	learn
	ready	boss	leave
			leg

The Iowa Spelling Scales

97

lesson	slip	degree	tented
lift	smart	delighted	renting
listed	soft	died	rolling
longest	sold	draft	rose
lunch	song	dream	rule
mailed	spent	drew	seat
March	spoke	eighty	seem
marking	stamp	enough	seen
mouth	started	evening	self
mud	stated	Feb.	selling
music	station	fence	Sept.
newspaper	study	filling	shame
nice	sunshine	follow	shipment
no	Sunday	forgive	side
nothing	supper	former	sin
ocean	teacher	frost	snowing
Oet.	telling	glove	son
October	tent	goat	soot
older	than	goose	spending
oldest	third	grove	step
or	track	handle	stood
order	trained	hear	stump
outfit	trunk	heating	sugar
paint	war	hereafter	taking
papa	were	inspect	teach
paying	whenever	job	teeth
payment	willing	kill	teeth
person	wise	kiss	tested
phone	wool	learned	thereafter
pink	word	leather	these
pleased	worth	liver	thick
printed		maple	thousand
provide		mate	ticket
pure		mean	tire
quart		meet	told
raised	act	meeting	true
rate	bay	mend	true
reached	bet	moved	trust
remain	blame	new	trusting
remark	booklet	now	twice
request	born	obtain	understood
return	brick	oh	value
road	bridge	open	walk
roof	brush	otherwise	want
row	calf	own	way
sack	camp	painted	world
sad	carpet	passing	wrong
saved	chicken	pen	yellow
sending	cities	pie	yellow
settle	club	plain	yellow
sheet	company	pole	yellow
shop	cord	press	amount
short	cup	pump	away
shut	dad	quick	away
simple	darling	range	ago
sir	dead	rush	again
sixty	dearly	recover	aimed

been	offering	awhile	many
between	pain	bear	matter
bright	partly	began	member
brought	pass	bench	might
build	payable	branches	mighty
catch	pending	broken	nature
center	pillow	chain	nerve
chart	post card	chop	nicely
cleaning	power	church	nose
cloth	pride	cleaned	overlooked
coffee	pull	closed	pa
contract	railroad	colder	packing
cooking	rained	content	painting
crib	recall	copy	pair
dare	removed	correct	plenty
dealing	reported	cottage	pocket
depending	round	court	postage
discount	rushed	cream	prevent
doctoer	scout	cure	printer
egg	season	damage	protest
English	seventh	daughter	ranch
enjoy	seventy	dearest	reaching
feeding	silver	death	repair
file	skate	deed	respect
finish	something	don't	retain
finished	sometime	dresser	rod
fit	somewhat	drug	rubber
flat	sorry	drum	September
funny	speak	easy	serve
garden	stage	enclose	share
getting	steam	everybody	shortly
gladly	still	exchange	showed
goldfish	street	fact	sit
grant	strongest	farther	slipper
granted	subject	fine	smaller
greater	thankful	folder	somewhere
hall	those	folk	sooner
hardly	thread	fully	speaker
heap	trying	gain	starting
heavy	twenty	gallon	staying
hen	upon	ha	stranger
January	vacation	hair	tend
joyful	vote	handed	there
kitchen	weather	happen	Thursday
kitten	western	hearing	tip
know	wet	herewith	training
lame	whereby	history	twelve
least	wrote	indeed	union
list		island	united
load	STEP 6—92%		valued
locate		jar	weak
lower	93%		wedding
lump	agent	leaves	welcome
match	answer	liberty	withdraw
nearly	anything	likewise	yesterday
noise	asleep	loaded	
oats	ate	located	
		lone	
		lovely	

92%	largest address already appear April aside August author bean before belong bite both broke busy cane can't carry cast caused charged checking chum classes contain cooler county damp dated does dozen drill duty expert express family fancy filled flesh fresh friendly front grandfather grandma gray higher honest hurt instead invited iron itself join joined keeping kisses lace	cleaner learning less living loyal merry moment mostly named nearer neck need nobody officer ordering patch planted present printing production proved public queen reason renew returned safe shed shot sixth square strongly studies trade uncle use visit waited waiting wanted wheel which wished wonder wrong zero	requested requesting require respond rug sale saving scale second snap stock taught tax team their thought tile title to treated understood washed wear whole
			STEP 7 88%
			90%
91%	active among answered anybody beg behalf Bible broad chance chapter	postal product program provided race raise reduce remind render reply	acting aim almost ashamed Aug. beef bid builder changing cheap cheaper coasting conduct contained continuo corner daily deeply die direct dispose dread ense enjoyed excuse extent factory failed fall

favor	turn	meantime	improve
flavor	turned	mistake	inclosed
floor	velvet	nap	increasing
formed	voter	notice	industry
frame	watching	orange	inform
fuel	weary	painter	informed
gaining	weekly	pavement	intend
grind	wishes	posted	kindest
grit	woven	presented	later
heard	youth	prize	latest
hoped		property	local
I'm		raw	message
inasmuch	absent	reduction	movement
information	action	regret	moving
junk	afraid	relation	noticed
lamb	amounting	riding	organ
lumber	answering	rip	owned
making	anyhow	score	perhaps
met	anyway	seemed	phoned
miss	anywhere	setting	placed
neat	apart	shape	plum
nor	attend	stair	properly
noted	begin	steel	proud
November	bottom	suit	recovered
object	bugs	thirty	reduced
ours	button	thus	repeat
packed	cared	together	result
pearl	central	tried	retail
pencil	cheer	valley	returning
picking	chill	won	ribbon
plan	clearly	won't	rye
played	closing		says
poorly	comfort		silence
porch	deliver		suffering
politics	detail		talked
prove	devoted		text
providing	during		throat
rabbit	factor		treatment
reaches	feeder		trouble
reserve	foolish		uniform
right	force		wait
sash	German		warm
seal	glee		witch
secure	helped		worm
several	hurry		
sight	idea		87%
someone	I'll		across
sore	improved		attending
speed	intended		begun
suppose	invite		bigger
surface	knew		birth
temple	ladies		bluff
through	language		cause
tie	latter		concluded
township	leaf		cousin
toy	lodge		discovered
travel	loud		duties
	lung		example

expressed	tiny	modern	enjoying
finest	useful	Mrs.	entering
finger	visiting	narrow	firm
fix	writer	odd	fitting
ford		owe	illness
future		pastor	inspector
gas	STEP 8—84%	peace	instruction
gasoline	86%	perfect	ironing
geography	adjust	permit	length
graze	admit	piano	linen
health	advice	pleasure	main
helpful	afterward	prevented	mister
highest	apply	promotion	mountain
holiday	await	quickly	parlor
include	awaiting	quoted	perfectly
inviting	barley	rack	placing
kept	beauty	saver	prepared
known	beet	shade	promised
laugh	built	skirt	prospect
lighting	capital	stating	running
liked	carrier	student	saddle
lonesome	checked	throughout	slide
lucky	coach	too	steady
maid	common	topic	though
married	condition	total	tired
middle	credit	turkey	traveling
month	dairy	visited	voice
monthly	deportment	wage	weight
northern	dice	waist	women
nurse	directed	wasn't	wonderful
offered	eager	whom	84%
opening	eleventh	workmanship	advanced
powder	else	worse	at least
pretty	fifteen		ans.
private	figured	85%	baking
proven	film	account	barrel
raising	final	adopted	beyond
rapid	flour	advising	breaking
rapidly	following	aware	bulk
record	football	badly	butcher
refuse	general	balance	chairman
relationship	germ	base	chose
reliable	globe	bit	circus
required	gown	brown	clerk
Saturday	guess	carried	clever
scare	handled	coming	collect
settlement	honor	comply	color
since	housekeeping	containing	dear
single	ideal	conversation	decline
sock	improving	cough	district
soldier	investment	covered	drift
spread	lecture	debate	according
storm	lie	deserve	frankly
strike	lonely	directly	handling
stuff	lowest	dirty	healthy
submit	machine	disposed	hobby
suitable	manage	drilling	hobby
		eighteen	habit

husband	inclosing	question	prompt
inclose	knot	searce	quantity
included	neighbor	server	reputation
instruct	notion	serving	ruin
letting	outlined	sew	secured
million	owner	sitting	select
model	parties	sorrow	sewing
needing	pertaining	standard	struck
nevertheless	proof	stories	supplied
ordered	pupil	throw	term
penny	quiet	tread	we'll
performed	quite	weighed	writing
personal	recess	worthy	
primary	refreshment	yoke	
protected	refund	you'll	
publisher	resulting		
regulation	roll		
renewed	served	STEP 9—79%	average
simply	shoulder		booth
sis	sign	81%	chief
slept	skating	agreeable	convention
spare	success	agreed	crazy
stamped	that's	avenue	desired
statement	unpaid	blessed	direction
supply	until	bowl	division
sure	written	break	either
taxes		captain	enclosing
thereof		caught	excited
upper	adventure	collection	fare
view	boarding	connect	female
winner	buyer	considering	fern
worry	candle	coy	forwarded
	cement	curtain	greatly
83%	couple	delivery	grip
abstract	debating	dose	group
ache	depot	effort	growth
advantage	education	excess	hospital
although	explained	expected	inquire
ample	famous	expecting	loss
animal	forward	explain	minister
appeal	foundation	factories	ought
arrange	gotten	fault	picnic
automobile	haven't	feature	prepare
backed	headquarter	furnace	profit
beaten	homestead	future	resident
breakfast	insert	guide	settled
cheerful	limb	headache	shown
companion	limit	hurried	sleet
delayed	method	instructed	utmost
elected	minute	I've	vision
feel	moral	mass	woman
fourteen	needed	misses	yourselves
fourth	neglect	needle	
fund	past	o'clock	79%
furnishing	plainly	oversight	adjustment
habit	presume	pattern	ankle
important	promise	post office	attention
		problem	bog

burden	crowd	piece	towel
buying	destroyed	progress	voting
cellar	due	putting	watched
colored	forty	reasonable	75%
constant	further	regard	accept
correction	gland	regular	accomplish
crew	humor	remembering	addressed
different	instant	replying	appointment
dreadful	manufacture	republican	assist
earnest	mentioned	route	attractive
entertainment	musical	selection	biggest
favorable	namely	service	closely
favored	neighborhood	situation	connecting
fee	parent	subscriber	connection
fitted	patient	sweater	constantly
forenoon	preacher	tight	couldn't
fortune	promptly	touch	creamy
friendship	quit	truly	doubt
furnished	rainy	weigh	effect
happened	recently	worst	enroll
human	regarding	wouldn't	entertaining
intention	represent		entire
invoice	section		exactly
manner	shipping		figuring
mention	shock		gentleman
natural	special		hasn't
oblige	waste		honestly
obtained	Xmas.		hoping
opened			interested
reception			international
recite			its
refused			moderate
remember			ourselves
rendered			per cent
rough			position
scrap			produced
seldom			publication
tanning			represented
telephone			rifle
Thanksgiving			studied
toward			supplies
trial			surprise
volume			tickled
Wednesday			transfer
			wondering
78%			74%
according	handkerchief	level	absolute
actor	hare	likely	automatic
adjusted	hers	measure	avoid
blackberries	I'd	owing	collar
blooming	installed	popular	commerce
cherries	isn't	prayer	complaint
cigar	lbs.	prepaid	courage
comfortable	loan	priced	deserved
complete	loving	produce	drama
confined	machinery	receive	entry
crippled	obliged	slippery	fever
	particular	smooth	

filng	72%	consideration	support
importance		debt	vacant
independent		decided	
internal		deposit	STEP 11—66%
jury		described	
laid		exam.	69%
largely		favorite	accordingly
loose		hello	approved
madam		increased	attain
manager		indicate	bracelet
neglected		interest	calves
opera		introduced	cedar
parcel		issue	collecting
procured		pardon	combination
quarter		period	connected
quote		remembered	convinced
refer		remit	copies
register		satisfied	corrected
seller		splendid	doubtless
shopping		strict	earliest
strength		struggle	enrollment
supervision		supposed	February
to-morrow		taste	furniture
tract		wearing	graduating
Tues.		70%	grammar
usual		appeared	gratitude
violin		assured	guest
we've		awful	lately
whose		carrying	library
you'd		considerable	lovingly
73%		contrary	realize
appointed		control	relieve
Bro.		course	satisfactory
calm		credited	search
circulation		crowded	securing
correctly		employer	serious
dependent		explaining	system
difference		explanation	themselves
easily		expression	weren't
extensive		forgotten	whether
ghost		funeral	
gravy		instance	68%
hadn't		introduction	
increase	71%	Latin	
justified		limited	capable
nineteen		maybe	citizen
organized		medicine	concerning
president		nervous	daddy
proceed		notify	discontinued
queer		occupied	elsewhere
signed		passed	graduation
sire		positive	invitation
slightly		prevail	item
spirit		reservation	liquid
treasurer		satisfaction	numerous
using		separate	obligation
		straight	possible
			published
			really

shipped	received	cashier	doesn't
superior	salesman	choosing	evidently
67%	theater	conference	identify
advancement	transportation	customer	jobber
advertised	valuable	discourage	material
attended	64%	envelope	various
believe	additional	fabric	58%
continued	arrival	knowledge	anxious
didn't	article	lose	assistant
exact	assembly	missed	candidate
examination	clothe	possibly	compelled
examined	decide	prefer	cushion
frequently	decrease	profession	difficult
generous	deliveries	regardless	equipment
hustling	evidence	salary	excellent
impossible	genuine	sincere	exceptional
influence	happiness	suggested	investigation
manufacturing	hereby	transit	majority
ninth	honorable	61%	practice
operated	inclined	advertising	proposition
profitable	investigate	alfalfa	relative
recent	management	allowed	strictly
reference	misunderstanding	announce	successful
satisfy	patron	believing	welfare
66%	purchased	congratulate	57%
applicant	purpose	corporation	assortment
available	raiser	examiner	democratic
celebrate	realizing	expensive	electrical
companies	signature	fierce	entitled
confirm	studying	liable	equally
contemplated	worried	mamma	impression
Dr.	63%	mental	inducement
federation	affair	operation	instructor
maintain	arriving	process	instrument
national	attach	receiving	lining
opinion	banquet	reliability	literary
policy	brief	60%	manual
quotation	confer	activity	mere
remedy	design	application	meter
requirement	destination	cartoon	presence
resigned	disgusted	develop	previous
society	exercise	engineer	qualities
vary	graduate	establish	representation
wholesale	inquiry	expense	senior
65%	junior	glorious	series
agriculture	purchase	haste	timothy
alley	registered	legal	worrying
canned	respectfully	nephew	56%
concert	source	operating	character
fashionable	strawberries	safety	confidence
formerly	submitted	sanitary	development
heir		stomach	etc.
insurance	STEP 12—58%	tatting	examine
involved		terrible	foreign
niece	62%	59%	government
patent	altogether	Christian	hauled
pleasant	billed	democrat	

imagine	established	48%	co-operative
organize	exclusively	accomplished	coupon
personality	gradually	acknowledge	finally
renewal	notified	attorney	literature
stopped	particularly	consultation	merit
succeed	planning	co-operation	43%
55%	principal	disappoint	administrator
acceptance	readily	distribution	approval
ambition	suggest	electricity	auditor
amendment	supervisor	existing	certificate
bass	university	experience	co-operating
business	52%	illustrated	correspond
catalogue	advertisement	preliminary	familiar
choir	assistance	premium	journal
confirming	blizzard	relieved	legislation
constitution	calendar	Sabbath	merely
difficulty	commercial	straightened	organization
disease	data	usually	quantity
error	estimated	47%	response
extreme	responsible	congratulation	surgery
generally	sense	consequently	surplus
issued	stationary	enormous	42%
losing	talent	installment	accordance
magazine	universal	librarian	arrangement
orchestra	51%	naturally	circumstances
politics	appearance	ordinary	conservatory
prosperous	crocheting	secretary	correspondent
regularly	ere	superintendent	individual
territory	fortunate	46%	justify
type	inferior	assignment	principle
variety	label	assuring	41%
STEP 13—50%	meant	based	agricultural
54%	nickel	council	assume
assigned	practicing	disagreeable	auntie
authorized	probably	employee	demonstration
beginning	50%	exhibit	extension
benefit	admission	girlie	illustration
crochet	agency	good-bye	immense
customary	appreciate	grateful	inquires
favorably	assurance	hastily	necessary
merchandise	barely	illustrating	remembrance
ninety	carnival	preparation	subscription
occasion	coarse	resource	substitute
original	excitement	semester	unusual
possession	registration	STEP 14—42%	40%
similar	sympathy	45%	commission
succeeded	49%	administration	communication
53%	announcement	appreciation	mechanical
awfully	attendance	athletics	practically
completely	attitude	cordial	prior
considerably	contemplating	planned	receipt
decision	duplicate	practical	remittance
demonstrated	engineering	44%	39%
description	heretofore	appreciated	actually
disposal	institution	civics	continuous
	urge		epidemic

possess	thorough	immediately	21%
professional	X-ray	recommend	accommodate
science	34%	referred	appreciating
spectification	compliment	responsibility	20%
vicinity	exceptionally	satisfactorily	affidavit
38%	executed	27%	analysis
advisable	executive	bulletin	chautauqua
all right	license	canvass	unnecessary
authority	notary	conveniently	19%
ballot	sufficient	fraternally	recommendation
basis	33%	referring	
geometry	allotment	26%	STEP 18—16%
interfere	associate	candidacy	18%
rec'd	materially	committee	apparatus
scientific	occasionally	equipped	pneumonia
STEP 15—34%	opportunity	inconvenience	17%
37%	32%	maturity	anniversary
absolutely	acquaintance	necessity	appendicitis
annually	algebra	physical	guarantee
associated	courteous	tuberculosis	lieutenant
exhausted	financial	25%	thoroughly
official	sincerely	campaign	16%
regretting	31%	correspondence	efficient
36%	accredited	especially	zephyr
acquainted	acquire	fundamental	
consequence	alumni	privilege	STEP 19—12%
inst.	association	solicit	13%
judgment	disappointment	24%	definitely
permanent	enthusiastic	anticipate	phosphorus
specially	extremely	assessment	11%
thesis	leisure	confirmation	characteristic
35%	prosperity	enthusiasm	10%
ambitious	STEP 16—27%	gripe	ingredients
annual	30%	STEP 17—21%	rheumatism
bureau	circuit	23%	
client	soliciting	accompanying	STEP 20—8%
convenient	29%	convenience	9%
cordially	affectionately	essential	efficiency
disappointed	anticipating	exhibition	guaranteed
immediate	capacity	Hallowe'en	peculiarities
institute	commissioner	originally	schedule
personally	unusually	22%	
physician	28%	definite	
possibility	bonus	mortgage	
quantities	community	politician	
representative			

SECTION XIV

THE IOWA SPELLING SCALE

GRADE VII

GRADE VII

STEP 1—100%

able	fall	long	stick
about	farm	looking	stone
adding	fast	lot	such
afternoon	faster	make	take
again	fell	man	taken
age	fellow	many	teaching
air	fish	master	tell
all	five	me	test
alone	forgive	milk	that
an	from	more	the
are	gate	most	then
arm	get	mother	think
art	girl	must	thinking
asking	give	my	this
at	glove	name	time
be	go	neck	top
because	gold	net	toy
bell	good	Nov.	train
best	got	nut	tree
better	grade	old	unable
bill	grain	on	unless
black	had	one	up
book	half	out	us
box	hand	paper	very
boy	happy	park	wall
brain	have	pay	was
bring	help	people	way
but	helping	pick	we
call	her	pig	well
called	him	place	west
came	his	pleased	what
can	home	point	when
car	hot	postage	while
card	how	put	who
ease	ice	reading	why
charge	if	rest	wife
class	inside	row	will
coat	into	rule	window
come	is	run	winter
corn	it	school	with
could	June	see	without
country	just	sell	word
cut	kind	send	work
day	land	she	working
deep	large	silk	year
did	last	sister	yellow
do	late	six	your
dog	left	snow	
early	lesson	some	
eat	let	space	
evéry	letter	stage	
eye	like	start	
fail	little	started	
	live	state	

STEP 2—99%

above
active
add
added

after	display	light	railroad
ago	doing	longer	rain
ahead	down	longest	rate
along	dress	look	reach
also	drop	love	read
am	each	loved	real
answer	earth	mad	red
any	east	made	report
ask	edge	mail	ride
away	eight	mailed	ring
baby	eighty	maker	river
back	face	market	rock
backing	farming	may	rush
bad	fat	meal	rust
band	fight	mean	sad
bank	filled	mill	said
banker	finding	Monday	Sat.
bean	fine	money	sat
bed	flat	mostly	saw
been	food	much	say
behind	for	mud	saying
belonging	found	music	seat
below	free	myself	self
big	game	night	shall
bird	getting	nine	sheep
birthday	given	north	ship
blank	glad	not	shoe
blue	going	note	short
bought	gone	notice	should
bright	grant	number	Showed
bringing	green	oats	sick
brother	handed	of	sign
bunch	hang	oil	sixty
butter	has	older	slow
by	he	oldest	snowed
calf	head	our	so
cannot	hill	outside	son
cap	holding	oven	song
cash	hour	over	sound
catch	house	overcoat	spell
cent	however	pack	spend
child	ill	page	sport
children	in	paying	spot
clean	ink	payment	spring
clear	Jan.	pen	stamp
close	joy	picking	stand
cold	July	pie	standing
cost	kindly	plate	stay
cream	kiss	play	still
cross	lace	playing	store
cup	lady	please	subject
dandy	lake	poor	summer
danger	landing	press	Sunday
dear	larger	print	sweet
December	law	proper	swell
dinner	leader	quick	table
discount	leave	rail	thank

thanking	April	delighted	income
them	as	died	inspect
they	Aug.	dispose	invited
thing	aunt	door	January
three	bake	drill	jump
till	ball	drug	keep
tire	bat	drum	keeping
told	battle	dust	kid
took	become	easy	kill
town	bee	end	kinder
trip	behalf	evening	kindness
trust	belt	ever	king
trusting	beside	example	labor
try	blood	exchange	ladies
twice	boat	express	lay
two	body	far	learned
under	booklet	fear	leather
use	boss	feed	life
vacation	bother	feet	lived
value	bottle	felt	liver
walk	boxes	fill	lives
want	branch	filling	living
washing	brush	finish	loaded
week	building	first	lost
went	burn	fishing	luck
were	cake	Friday	mark
whatever	calling	friend	marking
wheat	camp	fully	May
whenever	care	gift	meat
where	carpet	glass	meet
white	chair	glasses	mine
wide	chance	goat	Miss
willing	change	goose	mouth
win	check	grand	Mr.
wind	city	grandfather	nation
wise	classes	granted	near
wish	closed	great	nearly
wishing	cloth	hair	never
wood	club	harder	new
world	coal	hardly	news
would	coffee	hat	nobody
wrote	coin	hay	noon
yard	conduct	hearing	off
yes	contest	heat	once
yet	continue	heating	only
you	cook	heavy	or
zone	counting	here	other
	covering	herself	packing
STEP 3—98%	cow	high	paint
	cutting	hit	painted
act	dance	hog	part
agent	dark	holder	party
almost	darling	hundred	pass
amount	date	hunt	peach
and	deal	hunting	pine
another	Dee.	inch	placed
apple	delay	inches	planted

pole	spelling	army	father
post	stood	auto	Feb.
pretty	stop	awhile	feel
printed	storm	banking	few
printing	stunt	barn	fifty
provide	sugar	basket	finished
race	sum	bay	fit
raised	sunshine	bear	flower
range	talk	before	folder
rank	talking	begin	foot
ready	tank	being	forget
reduction	telling	belong	four
remain	ten	bench	frost
remove	tested	bet	gain
removal	thin	between	garden
rent	thousand	block	garment
renting	ticket	born	gather
request	to-day	brick	gave
respect	ton	bushel	glee
rich	travel	button	grass
rolling	treat	buy	ground
room	true	cared	growing
round	trunk	cattle	hall
safe	Tuesday	caused	handy
same	twenty	chain	hard
sample	united	clum	hate
sand	used	church	hear
saved	valued	clay	held
seed	visit	clearly	higher
seeing	voter	clock	himself
sending	walked	cloudy	hold
sent	walking	coast	homesick
set	wanting	colder	horse
seven	war	company	I'm
seventh	wash	contain	iron
seventy	washed	cotton	island
shade	watch	count	job
shipment	western	cover	judge
show	which	crop	kitten
shut	wild	dad	know
silver	wool	daughter	largest
sin	worked	dearest	learn
singing	write	deed	leg
single	yearly	demand	less
sink	yesterday	depend	lift
sit	yourself	direct	list
size		dodge	listed
slip		dollar	load
small		don't	local
snowing		dozen	locate
soap	abstract	dream	location
soft	advance	drilling	looked
sold	aim	drive	low
soon	alive	egg	lower
sooner	always	election	lunch
sort	anyone	family	machine
south	anywhere	farmer	maid

mailing	September	wire	funny
March	serve	within	gladly
matter	settle	worker	greater
membership	several		grove
morning	share	96%	grown
move	sheet	anybody	handle
moved	sickness	anything	happen
nature	side	around	hardware
nice	sleep	asleep	heard
no	smart	backed	hen
noted	soil	became	hence
nothing	someone	branches	highest
November	something	brand	history
now	sometime	brought	honest
object	spending	busy	hurt
Oct.	spent	carry	improve
office	standard	center	improved
orange	stated	changed	industry
order	station	charged	instead
outfit	staying	cheer	jar
painting	steam	chicken	joined
pair	step	Christmas	learning
papa	stove	cleaner	liberty
per	stranger	cleaning	lumber
picture	strongest	cooking	making
pin	stuff	cord	match
pink	suffering	cottage	mate
plan	sun	crib	meeting
pleasure	teacher	cure	message
plenty	teeth	damp	mighty
poorly	tenth	dare	million
pound	than	dealing	mind
prevent	thereafter	deeply	named
price	thick	degree	nerve
protest	those	desire	next
reached	thought	die	nicely
reaches	thread	directed	none
reader	thus	doctor	nor
recall	to-night	done	normal
recover	total	dressed	nose
remark	township	ease	obtain
renew	trace	English	October
reported	twelve	enter	open
require	uncle	even	ordering
required	understanding	extra	overlooked
respond	understood	fact	packed
result	union	farther	partly
retain	velvet	fence	patch
return	vote	figure	payable
rice	wagon	find	pencil
road	waiting	fire	person
rose	wanted	follow	phone
rye	watching	forgot	potatoes
sack	water	former	present
secure	welcome	fort	primary
seem	wet	fruit	produce
selling	wheel	fun	product

profit	trying	depending	needed
provided	understand	deportment	noise
pump	upon	does	ocean
pure	voice	draft	offering
quart	waited	dread	oh
queen	whereby	earning	otherwise
question	wished	enjoying	own
raise	wishes	enough	package
record	won	except	pain
reduce	worth	excuse	passing
regulation	young	extend	pillow
relationship	zero	extent	pocket
render	STEP 5—94%		
rented	95%		
renter	acting	favor	prize
requested	action	feeling	program
returned	address	file	progress
roof	afraid	fix	public
rubber	agree	floor	pull
rug	anyhow	form	raw
scale	apart	formed	reaching
scare	arrived	frame	reason
second	August	fresh	regret
seemed	badly	friendly	reply
seen	base	fur	rushed
Sept.	beat	furnish	score
shame	beg	gown	scout
shape	begun	grandma	season
shot	bid	grew	shop
sight	birth	guess	skate
simple	blame	hoped	sorry
sir	blow	hotel	speaker
smaller	bottom	insist	square
snap	bridge	joke	suit
somewhat	broke	killed	team
somewhere	brown	kitchen	tent
speak	build	knowing	thankful
special	can't	known	thirty
spoke	cause	language	through
spread	central	laugh	Thursday
stair	chapter	length	tie
starting	charming	letting	trade
steady	chop	likewise	treatment
stock	cities	located	turned
street	clothing	lone	wake
study	colt	lonesome	warm
supper	content	loud	weary
sure	contract	lovely	weather
taking	cooler	lowest	wedding
talked	court	lump	whole
temple	damage	maple	witch
there	dated	mind	withdraw
these	debate	might	worm
third	debating	month	woven
tile	decline	monthly	wrong
tip			
treated			

94%	knew among answered attend beef began Bible bite board boiler broken builder bulk cat chart climate comfort cool county dead dearly deliver devoted duty eighteen elect elected else everything expert explain feature fifteen fifth figured fixed flavor flour forest froze frozen gallon general gray greatest ha harvest heap hole I'd illness including increase instruct itself join joyful	advantage lame leaving lighting listen lodge loving lucky ma married meantime member mistake mister northern notify notion opened ordered pearl pending played powder presented prevented production ranch recovered refused relation remind repair repeat rip shortly sixth sock studies supply taxes tried trouble turn uniform valley visited visiting watched weak worry youth	moment movement narrow natural nearer neat newspaper odd officer pavement plum printer promotion quickly quoted rack raining recess refuse requesting retail returning rod rough running sale served serving settlement sewing shock sorrow stamped stories strongly student tend term their throughout tiny to track training turkey unpaid useful winner wonder wonderful worthy
	STEP 6—92%	leaves lecture loyal measure model moderate	92%
	93%	absent acre afterward aid arrive	
	account actor addition		

artist	kept	attending	refreshment
attraction	kindest	beaten	regular
barley	lamb	beyond	reliable
barrel	latest	boarding	reserve
beet	least	breakfast	says
bit	liberal	built	shipping
blessed	lonely	candle	silence
blew	lung	caught	simply
bluff	manage	circulation	since
both	merry	circus	skirt
broad	middle	color	speed
burden	modern	common	taste
carried	moving	concluded	taught
east	need	condition	tax
changing	needle	containing	trained
cheaper	offered	conversation	until
checking	organ	creamery	upper
cigar	ours	dairy	wage
cleaned	painter	detail	written
clerk	parties	difference	
closer	peace	discovered	STEP 7—88%
coach	perfect	encourage	
coasting	permit	enjoyed	90%
companion	pools	entering	according
complete	private	expected	anyway
connecting	prompt	expression	appeal
corner	properly	feeder	ashamed
corrected	prospect	final	attention
covered	proved	followed	aware
credit	rained	foolish	booth
dancing	remember	forth	butcher
death	riding	greeting	buying
delivered	right	habit	chill
directly	sash	household	connect
enjoy	saving	ideal	connected
eve	seal	inform	connection
everybody	setting	intended	couple
everyone	shed	ivory	crazy
feeding	shoulder	junk	delayed
finest	steel	leaf	delightful
finger	suitable	main	dirty
flesh	surface	miss	eager
foundation	though	nevertheless	effort
frankly	throat	owe	enclosed
freeze	title	pastor	entertainment
French	topic	posted	expecting
furnace	wait	pride	fairly
gained	wear	problem	fortune
goldfish	worse	promise	friendship
greatly	writer	protected	fuel
headache	91%		fund
health	advising	proud	furnished
honor	against	prove	gaining
husband	although	proven	gas
important	amounting	pupil	gentleman
information	appear	quotation	German
inviting	apply	rabbit	gotten

grind	author	thereof	mass
grit	automobile	too	national
grocery	beauty	tread	nurse
healthy	careful	trial	outlined
I'll	closely	wasn't	parlor
included	contained	won't	perhaps
investment	current	worst	plow
later	curtain		possible
level	dangerous	acted	prepare
liked	debt	admit	president
liquid	direction	advanced	promised
met	entered	adventure	rainy
minute	failure	allow	register
neglect	fair	attended	renewed
neglected	fashion	Ave.	reputation
noticed	fee	avenue	scrap
obtained	fierce	bigger	seldom
owner	forgotten	break	server
penny	further	buggy	service
period	germ	cement	skating
phoned	globe	certain	slightly
piano	grammar	chairman	soldier
porch	graze	cherries	success
prepaid	guide	chief	therefore
providing	handling	comply	tired
putting	helped	composition	treasurer
raising	hereafter	consider	
rapid	hesitate	considered	87%
rapidly	honestly	correctly	agreeable
refund	inclosed	cousin	agreed
remained	instruction	crew	ambition
resulting	isn't	didn't	appointed
saddle	jury	difficult	approved
section	loss	dwelling	assist
secured	method	entire	average
sis	mountain	exact	await
slept	Mrs.	explained	awaiting
slipper	nap	fault	baking
smooth	neighbor	following	balance
social	opening	forty	blackberries
statement	owned	forwarding	blooming
suppose	pa	fullest	buyer
Thanksgiving	per cent	furnishing	cabinet
vision	picnic	future	calm
weigh	plain	gasoline	carefully
weight	popular	gland	cheerful
whom	property	happened	collection
women	recite	hare	coming
wondering	regard	helpful	commerce
	ribbon	herein	consideration
89%	settled	holiday	considering
absolute	sore	housekeeping	construction
across	strike	increasing	convention
addresses	struggle	inspector	correction
adjust	style	instructed	depot
advised	sweater	lie	desired
arrange	text	limb	dice
assure			director

due	clever	copies	colored
enclosing	closing	drama	comfortable
entirely	commence	excess	confined
entitle	courage	favorable	constantly
excited	described	federal	continued
expired	deserve	forced	cute
firm	different	forward	decided
fitted	dose	forwarded	discourage
fitting	earliest	fourteen	either
funeral	effect	growth	enrolled
gentlemen	fare	inclose	error
ghost	fourth	increased	extended
impossible	garage	indicate	favored
improving	gee	intend	federation
inquire	graduation	international	group
ironing	grip	knot	hospital
limit	guest	lately	importance
machinery	handled	limited	inasmuch
manufacture	handsome	linen	inclosing
needing	headquarter	minister	insert
numerous	humor	musical	I've
parent	hurried	namely	misunderstanding
pertaining	intention	obliged	past
placing	interest	o'clock	patent
position	issue	ought	piece
prayer	latter	ourselves	process
prepared	manner	produced	purpose
preparing	oversight	publication	queer
priced	parcel	quality	received
promptly	performed	represented	reception
proof	personal	rife	relative
publisher	plainly	roll	representation
quiet	post office	route	republican
quite	proceed	select	resident
reasonable	published	seller	saver
Saturday	recently	signed	scarce
sew	represent	sleet	society
slide	selected	strawberries	system
spare	selection	suggest	tanning
strength	situation	themselves	telegram
struck	traveling	together	telephone
submit	whose	to-morrow	that's
throw	yourselves	towel	tract
touch		volume	waste
transportation	85%	woman	Wednesday
truly	ahe	wouldn't	workmanship
view	advertised		83%
waist	appeared		
weekly	avoid	adjusted	absence
weighed	believe	advertise	capable
yoke	bowl	advice	circular
	breaking	advise	citizen
STEP 8—84%	capital	afloat	confident
	celebrate	ankle	creep
86%	chosø	applied	crippled
banquet	complaint	approval	doubtless
bog	consist	carrier	earnest
	constant	cashier	enclose

enroll	internal	theater	deposit
exam.	material	tickled	destroyed
exciting	mention	toward	explaining
factories	neither	usual	filing
graduate	oblige	vacant	hadn't
graduating	perfectly	we'll	haven't
gratitude	purchase	Xmas.	hereby
instance	quarter		independent
insurance	recent	actual	institution
interesting	remembered	adjustment	introduction
knowledge	remit	appreciate	lovingly
laid	replying	article	management
legal	resigned	attractive	moral
manager	salary	booster	neighborhood
manufacturing	securing	canned	occupied
misses	subscriber	captain	opinion
owing	surprise	course	patient
particular	worried	credited	regarding
preacher	writing	desiring	requirement
receive		exercise	rural
ruin		extensive	stayed
satisfied		fabric	studied
search		figuring	voting
shipper	assembly	forenoon	
shopping	bracelet	hello	78%
shone	cartoon	inclined	ability
stating	companies	interested	agency
supplied	conference	jobber	argument
supposed	delivery	justified	certainly
tight	develop	library	college
violin	disposed	likely	conclusion
	doubt	manual	considerable
82%	entertaining	notified	convinced
accept	fern	positive	couldn't
accomplish	fever	quit	daddy
addressed	freight	raiser	difficulty
adopted	handkerchief	remembering	entry
appointment	happiness	rendered	established
arranged	invitation	source	exception
arriving	item	superior	favorite
assured	loan	universal	finally
assuring	loose	wearing	hasn't
attached	mentioned	you'll	heir
attempt	nephew		involved
awful	operated	79%	lbs.
biggest	passed	agriculture	nineteen
cellar	pattern	attach	opera
collecting	prevail	attain	ordinary
concern	realize	authorized	procured
design	regardless	automatic	sanitary
easily	satisfactory	calves	stationary
employed	serious	choose	straight
entertain	sitting	collar	tatting
ford	slight	concerning	Tues.
generous	spirit	convince	utmost
hoping	supplies	coy	we've
improvement	support	decrease	whether
instant		dependent	

77%	proposition refer regularly satisfaction transfer university	suggested territory valuable vary wholesale worrying	respectfully salesman
contemplated	allowed	choosing	71%
crowd	anxious	commercial	assurance
deliveries	assistant	coupon	barely
democratic	blizzard	cushion	billed
deserved	character	description	braid
destination	Christian	enrollment	business
durable	confer	fashionable	confirming
establish	confidence	government	control
evidence	crowded	hers	democrat
exactly	discontinued	impression	genuine
examined	duplicate	instrument	identify
February	expense	issued	personality
hustling	explanation	Latin	principal
junior	favorably	meant	reliability
liable	haste	ninth	reservation
lining	influence	orchestra	satisfy
maybe	installed	previous	senior
nervous	introduced	profitable	strictly
policy	journal	prosperous	usually
Prof.	largely	realizing	weren't
purchased	organized	receiving	70%
quote	registered	responsible	advancement
slippery	relieve	type	alley
supervision	series	vicinity	altogether
using	signature	72%	carrying
you'd	sire	accordance	contemplating
	strict	admission	contrary
STEP 10—73%	surprised	alfalfa	disgusted
	transit	announce	electrical
76%	74%	applicant	entitled
application	advertising	bargain	evidently
brief	cedar	based	furniture
Bro.	combination	believing	institute
choice	development	disagreeable	literature
compelled	Dr.	disposal	practice
customer	employer	elsewhere	premium
decide	engineer	examination	sincero
formerly	envelope	examine	splendid
hauled	expensive	extreme	
investigate	frequently	fortunate	STEP 11—66%
investigation	gravy	glorious	69%
literary	honorable	illustration	accordingly
madam	illustrating	imagine	benefit
maintain	its	majority	candidate
mamma	merchandise	medicine	choir
mere	pardon	mental	circumstances
obligation	possibly	profession	considerably
operating	remedy	qualities	doesn't
operation	shipped	really	equally
pleasant	submitted	reference	equipment

presence	attitude	60%	meter
similar	bass	absolutely	opportunity
stomach	capacity	allotment	probably
terrible	coarse	assigned	55%
various	corporation	assume	acceptance
68%	electricity	attorney	annual
accomplished	executed	beginning	catalogue
available	foreign	conservatory	installment
estimated	generally	council	official
label	inquiry	decision	practically
niece	practicing	demonstration	
separate	registration	excellent	STEP 13—50%
successful	renewal	exhibit	54%
67%	stopped	inferior	athletics
		organization	completely
advisable	63%	planned	hastily
appreciated	administration	response	necessity
constitution	assistance	safely	occasion
engineering	auditor	supervisor	personally
etc.	awfully		preliminary
exceptional	basis	59%	quantities
instructor	civics	acquire	quantity
patron	confirm	appreciation	Sabbath
prosperity	congratulate	co-operation	straightened
substitute	examiner	crochet	53%
welfare	librarian	excitement	advertisement
66%	readily	existing	agricultural
assignment	timothy	inducement	bulletin
clothe		planning	community
demonstrated		science	extension
distribution		secretary	geometry
employee		talent	merit
magazine	acknowledge	58%	principle
mechanical	appearance	announcement	52%
practical	aren't	consequently	acquainted
preparation	interfere	consultation	alumni
subscription	naturally	good-bye	ambitious
succeed	nickel	individual	associate
sympathy	particularly	maturity	client
variety	possession	relieved	compliment
65%	semester	sense	cordially
amendment	urge	57%	correspond
congratulation		ballot	referred
data		carnival	remembrance
exclusively	61%	cordial	superintendent
experience	actually	disappoint	51%
illustrated	additional	grateful	arrangement
lose	calendar	legislation	campaign
prefer	certificate	remittance	disappointment
resource	commission	specification	enthusiastic
studying	co-operative		financial
succeeded	customary	56%	girlie
surplus	exhausted	administrator	permanent
unusual	heretofore	appreciating	50%
64%	inquiries	association	bureau
associated	losing	co-operating	communication
assortment	ninety	crocheting	
	organize	disease	
	original		

regretting	44%		38%	29%
sincerely		assessment	executive	accompanying
solicit		extremely	originally	guarantee
thorough		leisure		
	49%	possess		28%
enormous		thoroughly	STEP 15—34%	convenience
license				peculiarities
materially	43%	accredited	37%	
necessary		annually	analysis	27%
physical		anticipate	equipped	chautauqua
responsibility		circuit	fundamental	essential
	48%	epidemic	mortgage	guaranteed
all right		especially		X-ray
ere		judgment		
exceptionally		notary		
familiar		satisfactorily		
inconvenience	42%			
merely		commissioner	fraternally	recommendation
possibility		correspondent	unusually	schedule
professional		politician		
receipt			35%	
	47%	41%	efficient	25%
auntie		algebra	physician	
authority		bonus		
definite		continuous	34%	appendicitis
soliciting		enthusiasm	affectionately	conveniently
	46%	prior	33%	pneumonia
attendance		privilege	committee	
consequence			correspondence	STEP 17—21%
disappointed		40%	occasionally	
immediately		acquaintance	referring	23%
		exhibition	tuberculosis	anniversary
		immense		grippe
STEP 14—42%		39%	32%	rheumatism
	45%	canvass	accommodate	
immediate		convenient	anticipating	21%
rec'd		courteous	apparatus	Hallowe'en
specially		recommend	characteristic	
sufficient		representative	unnecessary	20%
surgery		scientific		definitely
		thesis	31%	ingredients
			candidacy	
			confirmation	19%
			inst.	phosphorus
			STEP 16—27%	STEP 18—16%
		30%	efficiency	18%
			lieutenant	affidavit
				16%
				zephyr

SECTION XV

THE IOWA SPELLING SCALE

GRADE VIII

GRADE VIII

STEP 1—100%

able	body	dinner	herself
about	book	done	high
above	bottle	dream	hill
add	bought	dust	him
added	box	each	himself
adding	brick	earth	his
advance	bring	east	hog
afternoon	brother	easy	holding
again	bunch	eat	horse
age	but	edge	hot
ago	butter	eighty	house
all	by	end	hunt
alone	call	enjoy	hunting
along	called	eye	ill
am	calling	face	important
an	came	fail	in
and	camp	fall	inches
another	can	farm	ink
anything	car	farming	inside
apple	card	feet	into
are	care	few	is
army	cash	filled	it
around	cause	fine	job
art	cent	fire	July
as	child	fishng	June
ask	children	food	just
at	city	foot	keeping
away	class	form	kid
baby	clean	found	kind
back	close	free	kinder
backing	coach	from	lake
bad	coal	gained	land
ball	cold	get	large
band	come	girl	last
bank	contest	give	late
banking	corn	given	law
bat	cost	go	lay
bay	country	going	leader
be	cow	gone	left
because	cross	good	leg
been	cup	got	less
behind	dad	grade	let
being	danger	grain	letter
bell	dare	greater	life
belong	darling	had	like
below	date	half	list
best	day	happy	little
better	December	has	live
big	decline	hat	lived
bill,	deed	have	liver
bird	degree	hay	lives
blank	did	he	load
board	died	head	long
		help	look
		her	looking

love	partly	silk	thousand
low	payment	sit	three
mad	pen	six	time
mail	people	size	train
mailing	person	slow	treat
make	pie	small	tree
making	place	smart	trust
man	plate	snow	trusting
many	play	so	trying
market	pleased	soft	twenty
mate	poor	sold	under
may	power	somewhat	understand
me	prevented	sound	understanding
mean	put	spelling	up
membership	question	spend	use
message	rail	spent	value
milk	raised	spoke	waiting
mill	range	sport	walk
mine	read	stamp	wall
money	reader	start	wanted
more	ready	started	was
most	real	starting	wash
mother	reason	state	watch
move	red	stated	water
must	rent	station	way
my	report	stay	we
named	request	stick	well
nature	rest	still	were
nearly	return	stock	what
net	rich	stone	whatever
next	ride	stood	wheat
nice	rock	store	wheel
night	room	storm	when
nine	round	stranger	where
nobody	rug	study	while
noon	rule	subject	who
not	run	such	wife
note	rush	summer	will
nothing	said	sunshine	willing
object	sample	take	wind
office	Sat.	talk	wire
oil	saw	teach	wise
old	say	teaching	with
oldest	school	tell	without
on	see	telling	wood
once	seeing	ten	work
one	send	tent	worked
open	sending	test	worker
order	set	thank	working
out	setting	thankning	world
over	sheep	that	would
overcoat	ship	the	woven
own	shoe	them	wrote
pack	short	thing	year
page	should	think	yellow
painted	show	thinking	yes
paper	sick	this	yet

you	carry	evening	hate
yourself	case	ever	heard
zone	catch	every	beat
	cattle	exchange	heavy
STEP 2—99%	chain	expected	helping
	chair	express	here
abstract	charge	fact	history
account	charged	factory	hit
act	chart	failed	hold
action	cheer	far	holder
address	church	farmer	home
after	cities	fast	hotel
agent	classes	faster	hour
ahead	cleaned	father	how
air	clothing	favor	however
also	club	fear	hundred
amount	coat	feed	hurry
answer	coffee	fell	ice
any	coin	fellow	if
anybody	company	fight	inch
anyhow	conduct	figure	instead
April	contract	file	instruction
arm	cook	fill	invite
asking	correct	filling	invited
ate	could	finding	ivory
attend	count	finish	Jan.
Aug.	court	fish	January
aunt	cover	fit	joy
awhile	covering	five	judge
bake	cream	flesh	keep
banker	cut	for	kill
barn	cutting	force	kindly
bottle	dandy	forgive	king
bee	dark	formed	kiss
before	dead	fort	know
between	deal	Friday	lace
black	dealing	friend	ladies
block	dear	front	lady
blood	debate	gain	landing
blue	deep	gate	larger
boat	delay	gave	learn
booklet	depending	gift	learning
boss	discount	glad	leaving
bother	display	glass	light
boxes	district	glove	located
boy	dog	goat	longer
brain	doing	gold	longest
branches	down	goose	looked
bright	dress	green	lost
bringing	drew	grew	lot
brush	drill	ground	loved
build	drop	hair	lovely
built	drug	handed	lower
bushel	drum	handy	luck
cannot	duty	happen	lump
cap	early	hard	lunch
car	earning	harder	made

mailed	playing	settlement	they
maker	please	seven	thin
mark	pleasure	seventy	third
married	pocket	several	those
master	point	shade	thought
match	present	shall	thus
matter	press	shame	ticket
Monday	print	share	tip
mostly	printed	she	to-day
mountain	printer	shut	told
mouth	produce	sickness	took
Mr.	product	silver	top
much	protest	simple	town
mud	provided	sin	township
music	pull	sir	toy
myself	pure	sister	trade
name	quart	sixty	trip
nation	quick	skate	trunk
near	railroad	sleep	try
never	rain	slip	two
new	raise	smaller	unable
nicely	rate	snowing	union
normal	raw	soil	unless
north	reach	some	us
nose	reading	something	used
notice	reduced	sometime	valued
Nov.	reduction	son	wagon
number	remain	song	waited
nut	removed	soon	wake
oats	rented	sooner	walked
Oct.	renting	space	want
of	repeat	spell	wanting
off	reply	spot	war
only	result	spring	warm
outside	rice	square	washing
oven	ring	stage	watching
overlooked	river	stamped	went
packing	rolling	stand	western
paint	roof	standing	white
painting	rubber	staying	why
papa	running	stove	wild
park	rust	strongest	win
part	sack	stunt	window
party	safe	sugar	winter
pass	same	Sunday	wish
patch	sand	sweet	wished
pay	sat	swell	wishes
peace	score	table	wishing
peach	seat	taken	within
personal	second	talking	word
phone	secure	tank	worth
pick	seed	teacher	wrong
picking	self	teeth	yard
picture	sell	tenth	yesterday
pig	selling	than	your
pine	sent	then	zero
placed			

STEP 3—98%	chicken	feeling	lift
across	chum	felt	liked
acted	cleaner	fifty	listed
acting	cleaning	first	living
active	clearly	fixed	loaded
actor	clerk	flat	local
against	closed	flower	locate
aid	cloth	forget	location
alive	coast	former	loud
among	colder	four	lung
answered	colt	frame	machine
answering	condition	French	maid
anyone	construction	frost	maple
anywhere	contain	fruit	March
aside	continue	fur	marking
asleep	cooking	furnish	May
auto	cool	gather	meal
aware	cord	germ	meantime
backed	corrected	grant	measure
basket	cottage	granted	meat
bean	cotton	grass	meet
bed	counting	greatest	method
began	crop	growing	middle
begun	daily	hand	might
behalf	damage	hang	mighty
belonging	damp	hardly	mind
belt	dance	hardware	Miss
bench	daughter	health	mistake
beside	dealer	heap	month
Bible	debt	hear	monthly
birthday	Dec.	heating	morning
blame	delighted	held	moved
born	depend	herewith	neck
branch	deportment	highest	news
bridge	die	hole	noise
broke	direct	honest	none
broken	do	idea	noted
brought	don't	improved	November
building	door	income	now
burn	draft	inform	offering
buy	dresser	iron	older
buying	drive	island	orange
cake	egg	jar	other
calf	eight	jump	our
careful	eighteen	jury	ours
carpet	else	kindness	package
cat	English	kitten	parties
caused	entire	lamp	paying
center	even	lame	per
chance	everything	largest	pillow
change	example	laugh	pink
changed	excuse	learned	plenty
chapter	expecting	leather	popular
charming	extend	leave	post
cheap	family	leaves	posted
check	fat	lesson	pound
	feeding	liberty	pretty

prevented	spending	STEP 4—96%	duties
price	steam	97%	ease
printing	step	advanced	education
prize	stop	adventure	elected
production	street	advise	election
promise	strongly	afterward	eleventh
proper	student	agree	enough
property	sum	aim	entered
proud	sun	almost	eve
provide	supper	already	everyone
queen	taxes	ample	excited
race	tested	animal	expert
reached	thereafter	ans.	extent
reaches	thick	appointed	extra
reaching	thirty	base	factor
recall	thread	beat	failure
record	tile	beauty	Feb.
recover	till	beg	female
refuse	tire	begin	fencee
regular	ton	bet	film
regulation	topic	blessed	find
relation	trained	blew	finished
remark	travel	blow	folder
remove	treated	bluff	follow
renter	treatment	boiler	forest
repair	true	both	fortune
require	turkey	brand	freeze
reserve	twelve	bugs	fully
respect	twice	builder	fun
respond	understood	button	funny
retail	upon	buyer	furnished
road	valley	calm	gaining
rushed	very	carried	garden
sad	visit	east	gentleman
sale	vote	cheaper	glasses
saying	voter	checked	glee
season	walking	chill	gotten
section	washed	chop	gown
seen	watched	clay	grand
Sept.	weak	clock	grandfather
September	week	composition	great
seventh	welcome	consider	greatly
shop	west	conversation	hall
shot	wet	crib	handle
showed	whenever	cure	having
side	whereby	dated	hearing
sight	which	dearly	improve
sign	wide	deeply	included
simply	witch	deliver	increase
singing	wonder	depot	inquire
snap	worm	devoted	insist
snowed	worse	direction	inspect
somewhere	write	dodge	instruct
sort	yearly	dose	interest
south	young	dressed	introduced
speed		drilling	issue
		during	itself

I've	requested	beaten	general
joined	required	became	gladly
kitchen	resident	become	gland
knowing	retain	beyond	goldfish
labor	returned	bid	greeting
leaf	right	bigger	harvest
least	rod	birth	helped
lecture	saved	brown	hereafter
letting	scale	buggy	homesick
lone	settle	burden	homestead
lonesome	shed	busy	hoped
lumber	sheet	cared	hurt
meeting	shipment	carrier	ideal
member	shortly	caught	illness
mend	single	cigar	indeed
miss	sink	circus	industry
moment	sixth	closer	information
movement	slipper	collect	inviting
need	sorry	collection	joke
needed	speak	color	kept
needle	special	comfort	killed
nerve	spread	companion	known
obtain	stair	connect	language
October	stories	constant	later
opened	stuff	copy	length
or	suffering	correctly	level
otherwise	suppose	couple	likewise
outfit	tie	cousin	limited
packed	tired	covered	lowest
pain	to	dearest	lucky
passing	total	death	ma
payable	trace	demand	manage
pencil	trouble	desire	mass
per cent	turn	directly	minister
perfect	turned	dispose	minute
pin	united	does	moderate
plain	velvet	dollar	narrow
plan	visiting	dread	nearer
planted	whom	enclose	neat
poorly	withdraw	enjoying	neglected
post card	wonderful	entering	nor
potatoes	wool	everybody	nurse
prefer	youth	expressed	odd
problem	96%		
progress	according	extended	officer
prospect	addition	federation	ordering
pump	addresses	field	ourselves
putting	advantage	fifth	owe
rack	always	finest	owner
rainy	appeal	flavor	pair
ranch	appear	floor	particular
rank	appeared	forgot	pavement
recess	apply	foundation	period
reduce	attended	frankly	phoned
remind	average	froze	porch
render	barrel	fund	postage
reputation	bear	gallon	prepare
		game	president

	STEP 5—94%		
pride		farther	owned
primary	95%	feature	painter
prompt		feeder	pearl
properly		feel	pending
public		fifteen	performed
rained		final	perhaps
raining		fix	piano
rapid		flour	played
refused		football	possible
relative		fourteen	postal
remained		friendly	presented
remember		frozen	produced
reported		furnishing	program
resulting		future	promptly
rip		garage	protected
rose		gas	proven
seal		geography	providing
seem		getting	published
serve		globe	pupil
served		graduate	quickly
settled		grandma	raising
shape		grit	recovered
shock		guess	regret
signed		ha	relationship
since		habit	rendered
sock		honor	renew
soldier		hurried	returning
someone		husband	ribbon
sorrow		I'll	sash
speaker		include	saving
steel		including	says
strike		intended	scout
suit		interested	search
system		investment	service
talked		join	serving
team		joyful	shipping
territory		kisses	skirt
text		knew	sleet
thankful		knot	soap
there		limb	steady
these		lodge	supplies
Thursday		loyal	supply
tiny		manner	support
to-night		mister	supposed
towel		moral	sure
training		Mrs.	sweater
trial		musical	taking
Tuesday		national	temple
until		neighbor	their
upper		newspaper	themselves
vision		northern	though
weary		noticed	throat
wedding		notion	through
weekly		obtained	throughout
won		ocean	title
worst		offered	track
yourselves		oh	tract

transportation	foolish	spirit	finger
tread	fuel	standard	fitted
uniform	garment	statement	folk
visited	gentlemen	strength	funeral
voice	gray	studies	furnace
waist	grind	substitute	gasoline
woman	grove	success	group
written	guide	supplied	hence
	hen	tanning	holiday
94%	higher	tax	honestly
absolute	household	term	humor
advising	human	thereof	improving
afloat	importance	vacation	institute
although	increasing	wait	international
artist	informed	wear	introduction
ashamed	inspector	winner	ironing
assembly	intend	worthy	justified
assist	interesting	Xmas.	justify
Ave.	junk		kindest
avenue	liberal	STEP 6—92%	latest
badly	lie		liable
balance	lighting	93%	limit
bite	likely	adjustment	loving
bottom	listen	anxious	main
bulk	lovely	apart	manager
candle	maintain	application	modern
can't	model	arrive	nap
carefully	moving	assured	neglect
cashier	natural	attached	nevertheless
certain	no	attain	notify
chairman	outlined	attempt	opening
changing	permit	attending	organ
cheerful	pertaining	avoid	pa
citizen	pole	boarding	penny
complaint	powder	booth	plainly
connection	preacher	clever	pools
consideration	priced	cloudy	prepaid
convention	process	concert	private
cough	promotion	confined	proceed
county	prove	consist	proved
curtain	publisher	containing	quiet
dancing	quality	correction	quotation
dangerous	quite	decrease	recite
debating	rapidly	design	refund
democratic	reception	didn't	regardless
dice	refreshment	division	reliable
difference	register	dreadful	requesting
difficult	replying	enclosed	scrap
directed	rough	encourage	seemed
due	row	entirely	server
extensive	rye	exam.	sire
fairly	satisfaction	expired	situation
fare	scarce	fashion	skating
fault	shopping	fashionable	slide
favorable	silence	favored	smooth
fee	sore	federal	struck
figured	spare	fever	struggle

style	eager	salary	machinery	
subscriber	employed	secured	majority	
suitable	enjoyed	seldom	material	
surface	enter	seller	mention	
taste	entitle	serious	million	
taught	evidence	social	needing	
telephone	excess	submit	neither	
tend	expensive	Thanksgiving	notified	
therefore	explaining	tickled	oversight	
throw	followed	traveling	parcel	
tight	forced	wage	perfectly	
touch	forgotten	wearing	position	
tried	forth	Wednesday	purchase	
uncle	fullest	workmanship	purpose	
unpaid	government	91%		
useful	grammar	adopted	responsible	
wasn't	headache	affair	sanitary	
weather	healthy	agriculture	sew	
weight	hello	ambition	sis	
whole	hereby	applied	stayed	
wholesale	housekeeping	attraction	to-morrow	
whose	I'd	baking	valuable	
women	inclined	believe	we'll	
wondering	increased	biggest	STEP 7—88%	
worry	indicate	bit	90%	
you'll	instance	blackberries	actual	
92%		bowl	addressed	
ability	instant	cabinet	admit	
absent	instructed	certainly	arrange	
accomplish	instructor	cherries	blizzard	
adjusted	invitation	choice	blooming	
advancement	lbs.	circulation	college	
appointment	linen	concern	combination	
article	mental	creamy	comfortable	
attention	merry	creep	conclusion	
author	met	crew	confidence	
await	obligation	different	considered	
break	parent	drama	copies	
breaking	parlor	effort	courage	
butcher	pastor	enroll	coy	
capable	piece	explained	eute	
captain	placing	firm	decided	
chief	policy	ford	discontinued	
closely	prepared	German	doubt	
closing	presume	glorious	doubtless	
considerable	prevail	graduation	either	
considering	previous	grocery	employer	
constitution	promised	handled	established	
cooler	quarter	handling	estimated	
crippled	quit	herein	examined	
delayed	rabbit	improvement	expense	
delightful	recent	inclose	expression	
detail	regard	internal	favorite	
director	represent	invoicee	fierce	
discover	roll	legal	following	
disposed	route	loan	forward	
dozen	ruin			

frequently	agreed	weigh	respectfully
fresh	argument	won't	rifle
gee	arrival	writing	Saturday
grown	arriving	88%	sewing
guest	banquet	ache	sitting
helpful	billed	ankle	society
I'm	cedar	approval	source
impression	choose	assure	studied
inclosed	circumstances	assuring	submitted
insurance	collar	attorney	surplus
involved	colored	automatic	view
issued	continued	automobile	waste
item	dairy	braid	weighed
largely	deliveries	Bro.	87%
lately	delivery	cartoon	accordingly
liquid	discourage	celebrate	announce
loss	entertaining	coming	arranged
madam	error	commercial	attach
manual	exactly	comply	booster
nephew	fourth	contrary	calves
nineteen	freight	credited	canned
oblige	generous	current	cellar
o'clock	gradually	decide	character
ordered	graze	deposit	collecting
post office	grip	deserved	commence
preparing	happened	disposal	conference
proposition	hesitate	durable	convince
publication	independent	earnest	course
purchased	insert	engineer	data
realize	installed	exciting	destination
recently	investigate	exercise	earliest
remembered	laid	fern	enclosing
remembering	mentioned	fortunate	fitting
renewed	numerous	forty	generally
representation	opera	forwarding	gratitude
represented	ordinary	friendship	hadn't
riding	past	further	happiness
rural	pattern	ghost	haste
securing	personality	growth	hospital
select	picnic	hare	illustrated
selection	plum	headquarter	institution
series	possibly	identify	intention
shipper	practice	impossible	investigation
slept	profitable	inasmuch	junior
slight	queer	latter	knowledge
slightly	reasonable	manufacture	misses
splendid	satisfactory	misunderstanding	namely
suggest	saver	occupied	ought
treasurer	selected	plow	owing
university	shown	prayer	realizing
vacant	stating	procured	regarding
violin	strawberries	profit	registered
89%		proof	remedy
accident	suggested	qualities	remit
across	supervision	quoted	republican
activity	that's	received	salesman
agreeable	type	reference	sincere
	volume		

slippery	crowded	83%	illustration
superior	examination		manufacturing
telegram	fabric		official
toward	furniture		operated
universal	hustling		operating
urge	influence		subscription
weren't	journal		transfer
we've	library		various
worried	loose		
yoke	neighborhood		STEP 9—79%
you'd	politics		
	positive		81%
STEP 8—84%	premium		acceptance
	quote		acquire
86%	senior		choosing
accordance	shipped		constantly
ambitious	shoulder		convinced
bracelet	signature		daddy
carrying	stationary		dependent
companies	strictly		duplicate
customer	surprise		examiner
democrat	terrible		February
description	truly		graduating
development	utmost		individual
easily	whether		its
effect			lining
entry			lose
equally			merchandise
examine	advice	84%	particularly
exception	allowed		science
finally	attractive		timothy
forwarded	authorized		
handkerchief	bog		80%
honorable	capital		admission
inclosing	confident		associated
lovingly	couldn't		assume
medicine	described		assurance
missed	destroyed		commission
obliged	etc.		confer
Prof.	experience		congratulation
really	foreign		decision
receive	heir		enormous
reservation	illustrating		enrollment
resigned	instrument		equipment
straight	Latin		exceptional
strict	literary		exhibit
using	meant		explanation
usual	operation		extreme
voting	opinion		forenoon
wouldn't	pardon		genuine
	patent		hasn't
85%	patient		hauled
auditor	possession		isn't
brief	prosperity		jobber
chose	satisfy		label
concerning	stomach		nervous
contemplating	tatting		patron
cordial	transit		

practical	mamma	excellent	exhibition
regularly	ninety	exclusively	hastily
responsibility	organization	merit	original
succeed	prosperous	necessary	preliminary
supervisor	successful	quantity	specification
79%	sympathy	reliability	
appreciate		response	STEP 11—66%
assistance		separate	
ballot			69%
bass			acquainted
candidate	applicant	aren't	correspondent
certificate	electricity	choir	disappointed
Christian	excitement	commissioner	epidemic
civics	familiar	committee	inferior
distribution	heretofore	co-operative	license
executed	immediate	extension	sincerely
hers	merely	inquiry	specially
inducement	orchestra	meter	
legislation	physical	ninth	68%
magazine	planned	possibility	athletics
maturity	preparation	practicing	doesn't
maybe	presence	renewal	exceptionally
principal	receiving	safety	mechanical
readily	relieved	straightened	occasion
registration	requirement	succeeded	passed
unusual	similar		probably
78%	variety		
advertised		agricultural	67%
appreciated		alley	allotment
assigned		appearance	announcement
assistant	advisable	capacity	authority
bargain	algebra	community	bonus
believing	associate	confirming	definite
clothe	awfully	corporation	efficient
confirm	carnival	notary	essential
control	co-operation	usually	exhausted
cushion	disease		librarian
formerly	Dr.	71%	nickel
interfere	employee	administrator	personally
pleasant	mere	amendment	planning
relieve	naturally	attendance	professional
resource	necessity	coarse	regretting
surprised	sense	compliment	remittance
talent	Tues.	cordially	sufficient
worrying	welfare	customary	
77%		installment	66%
actually		niece	absolutely
consequently	74% advertising	soliciting	consultation
correspond	alfalfa	surgery	ere
coupon	appreciating		good-bye
crochet	basis	70% advertisement	quantities
demonstrated	benefit	appreciation	receipt
demonstration	campaign	arrangement	unnecessary
disgusted	catalogue	assignment	
haven't	congratulate	based	65%
imagine	consequence	bureau	barely
	conservatory	considerably	communication
	especially	convenience	completely

extremely	59%	53%	43%
financial	enthusiastic	pneumonia	guarantee
inquiries	lieutenant	referred	rheumatism
literature	unusually	52%	42%
representative	58%	satisfactorily	appendicitis
64%	all right	51%	Hallowe'en
calendar	alumni	bulletin	41%
leisure	anticipate	disappointment	conveniently
opportunity	assessment	grateful	enthusiasm
solicit	candidacy	referring	guaranteed
63%	continuous	50%	occasionally
annually	fundamental	apparatus	39%
practically	geometry	co-operating	accommodate
semester	girlie	inconvenience	peculiarities
superintendent	physician	judgment	38%
	possess	rec'd	schedule
STEP 12—58%	thoroughly	49%	STEP 15—34%
62%	57%	efficiency	37%
client	accompanying	inst.	definitely
convenient	acquaintance	remembrance	fraternally
council	auntie	48%	35%
immense	originally	gripe	anniversary
permanent	recommendation	prior	34%
principle	55%	47%	zeph/r
61%	anticipating	affectionately	33%
accredited	circuit	46%	chautauqua
characteristic	disappoint	politician	X-ray
courteous	equipped	tuberculosis	31%
losing	immediately	STEP 14—42%	canvass
scientific		45%	
60%	STEP 13—50%	affidavit	STEP 16—27%
analysis	54%	44%	28%
correspondence	confirmation	ingredients	phosphorus
mortgage	materially	privilege	
Sabbath	recommend		
	thesis		

APPENDIX

EXHIBIT A

Set I, list 1 illustrates the form in which words were sent to the various schools.

Iowa Spelling List—1-1

1	and	26	recently	51	fraternally	76	attractive
2	me	27	pupil	52	broke	77	management
3	some	28	correct	53	cake	78	toy
4	think	29	walk	54	blood	79	singing
5	say	30	Dr.	55	renewal	80	forenoon
6	each	31	happen	56	confident	81	durable
7	way	32	top	57	colored	82	per cent
8	great	33	window	58	roll	83	kitten
9	put	34	shipping	59	clock	84	plow
10	picture	35	wife	60	forced	85	faster
11	market	36	standard	61	outfit	86	breaking
12	folk	37	printed	62	thorough	87	brand
13	real	38	fifty	63	waste	88	soap
14	sorry	39	cream	64	grown	89	calendar
15	leave	40	recommend	65	stick	90	anniversary
16	aunt	41	prior	66	deep	91	extreme
17	credit	42	crowd	67	organized	92	possess
18	supply	43	forwarded	68	exceptional	93	kinder
19	street	44	cool	69	weigh	94	slept
20	profit	45	rush	70	applicant	95	dice
21	begin	46	represented	71	porch	96	federal
22	net	47	publication	72	staying	97	insert
23	May	48	blow	73	instructed	98	likewise
24	brought	49	fixed	74	slightly	99	identify
25	Oct.	50	newspaper	75	tie	100	daddy

EXHIBIT B

Instructions sent with spelling material to all cooperating teachers.

INSTRUCTIONS TO TEACHERS

This work is a part of a state wide effort to grade a list of most commonly used words. The success of the work will depend upon the accuracy with which you and all other teachers follow these directions.

Please have your pupils spell one list each day; 100 words if you are teaching grades V to VIII and 50 words if you are teaching grades II, III or IV. Pronounce each word distinctly and make sure that each child understands the word. Give a short illustrative sentence in all cases where different words have the same or similar pronunciation. The words are to be given without previous study or drill of any kind. Give plenty of time but no assistance.

Have the work done with pencil, on paper of uniform size, writing two columns on a page but do **not** write on both sides of the paper. The child should write his name, sex, age, and grade and the name of his school and city at the top of **each** sheet. Pronounce the words in order numbered and have the pupils number the words as they write them. This is very important.

Impress upon the children that in case of an error, they are to draw a line through the word and write it correctly above or beside the misspelled word. Words in which one letter has been written over another will be counted wrong, as it is almost impossible to know which was the child's final decision on the spelling.

It is recognized that in the lower grades many of these words are quite unfamiliar to the children and that a large proportion of the pupils will not be able to spell most of the words in the list. The only way, however, to find out what words the children can spell and what words they cannot spell is to give them the opportunity to attempt to spell all the words. Keep them just as happy in the effort as possible by telling them that other boys and girls of the same grade are trying to spell the same words in other schools in Iowa. If you are teaching in grade II or III, it will probably be better to pronounce 25 words in the forenoon and 25 in the afternoon than to give all 50 at once.

If your pupils are in grades VI, VII, or VIII, will you please assist in the scoring by having a few of the stronger pupils detailed each day to check the papers of all members of the class. Caution them that they are not to mark the word in any way but only make a cross through the number of the word which is misspelled. Four children can correct the papers for a room in twenty to thirty minutes and you will doubtless have no difficulty in finding some of the pupils who will very gladly do this.

The papers are to be collected each day and tied together. At the end of the ten days, the ten bunches of papers which represent the ten days' spelling of the pupils in your room, are to be sent tied in a single package to your superintendent. He will then forward these papers with all others from your city to the Extension Division. The Extension Division will score the papers from the lower grades and tabulate the spellings from all contributing schools and return the results to your Superintendent.

To the extent that these instructions are carefully followed and your co-operation secured will the results be of value to all the schools of the state. Please give the work your best effort but do not attempt to improve the spelling of the children of your room on these words by assisting them in their spelling in any way.

EXHIBIT C

Cities Co-operating in Spelling Study

Adair	Denison	Lake View	Oskaloosa
Algona	Dunlap	Lansing	Ottumwa
Ames	Eddyville	La Porte City	Pella
Belle Plaine	Eldon	Le Mars	Pocahontas
Belmond	Fairfield	Lineville	Postville
Bloomfield	Glenwood	Manilla	Red Oak
Bonaparte	Grinnell	Manson	Reinbeck
Boone	Griswold	Marengo	Remsen
Britt	Guttenburg	Marshalltown	Rockford
Buffalo Center	Hampton	Montezuma	Rockwell City
Burlington	Hartley	Monticello	Rolfe
Carroll	Hawarden	Moulton	Sheldon
Casey	Hopkinton	Muscatine	Sidney
Centerville	Humboldt	Nashua	Sigourney
Chariton	Humeston	Nevada	Sioux Center
Charles City	Ida Grove	New Hampton	Spirit Lake
Cherokee	Independence	New London	State Center
Clarinda	Inwood	New Sharon	Stuart
Clarion	Iowa City	Newton	Toledo
Clinton	Jewell	Northwood	Waterloo, E.
Corning	Keokuk	Oakland	Waukon
Corydon	Keosauqua	Oelwein	What Cheer
Council Bluffs	Kingsley	Orange City	Williamsburg
Creeseo	Knoxville	Osage	Woodbine
Davenport	Lake Mills		

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The Iowa spelling scales

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